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OREGON SEED STORE

1931

*"Watch Us and
our Seeds grow"*

240 YAMHILL ST.
COR. 2ND

PHONE
ATWATER 5522

PORTLAND
ORE.



Giant Dahlia Flowered Zinnia Collection

SPECIAL OFFER! 6 regular 15c pkts. for 50c

Exquisite.—By far the most pleasing of our collection. Truly DAHLIA flowered as regards form and size. Color, light rose with center a deep rose. (Tyrian Rose.)

Meteor.—A rich, glowing deep red (Spinel Red) and the darkest of all the red shades. Fine form, with good depth of petal. Very large and more floriferous than other reds.

Oriole.—We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named. Our

cultures are limited, and we can offer Oriole in small quantities only this year.

Golden State.—A very rich orange yellow (Cadmium). Yellow is the bud, turning to an attractive orange when in full bloom.

Crimson Monarch.—By far the largest and best of red shades. Flowers often eight inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit.

Giant Attraction.—A distinct shade of brick red (Spectrum Red), which carries its color well from the bud, and forms into an immense ball of color when in full bloom.

SPECIAL COLLECTION OF ASTERS

Improved Giant Crego.—The most beautiful and desirable aster we have ever seen; very hardy, free-flowering and one of the best for general planting; the plant is a strong, healthy grower, and will produce 12 to 15 long-stemmed flowers of the most graceful and pleasing style. With ordinary care you can grow flowers measuring 5 to 6 inches across, most of the handsome large aster blooms you see in the Portland flower stores are of this kind. Pure white, shell pink, rose pink, purple, crimson, lavender and one packet of single mixed.

7 regular packets, 50c

Vegetable Collection

\$1.00

Packet each Beans, Beets, Carrots, Sweet Corn, Lettuce, Onions, Parsley, Parsnips, Garden Peas, Pumpkin, Radish, Spinach, Cucumber, Turnip, Swiss Chard.

15 regular packets, \$1.50 value, for.....

Collection

\$1.00

50c

BEANS—Burpee's Stringless. **BEETS**—Dark Red. **CARROTS**—Half Long. **GARDEN PEAS**—Oregon Beauty. **LETTUCE**—New York Head. **RADISH**—Scarlet Turnip. **SPINACH**—Improved Thick Leaf.

7 packets, 70c value, for.....

Collection

50c

BEWARE OF CHEAP SEEDS!

Good seed means dollars and cents to you. We offer only the best that money can buy; therefore, we cannot sell seed at 5c per packet.

Non-Warranty.—Most failures are due to causes beyond our control, rendering it impossible for us to guarantee success; and although we are careful to supply only such goods as will, under proper conditions, produce satisfactory results, we give no warranty as to description, quality or productiveness of any seeds, plants or bulbs sent out, and will not be in any way responsible for the crop, and every order for articles named in this catalog will be executed on these conditions only.

OREGON SEED STORE

Ruffled Giant Spencer SWEET PEA Collection

7 regular packets, 85c value, for 50c

Miss California.—A most beautiful and outstanding pea ever offered. The flowers will stand the hottest orange-salmon cream-pink flower, the blending of shades being wonderfully perfect. Large, beautiful waved form in fours on long stout stems. Plant is a very vigorous grower. Pkt., 15c; oz., 60c

Hebe.—This is the largest and best rose-pink variety with great vigor and the flowers are always produced on exceptionally long stems. Pkt., 10c; oz., 50c

Mrs. Tom Jones.—Very large and of great substance, beautifully waved, usually borne four on a stem of great length. Color is best described as a bright "delphinium blue." Pkt., 10c; oz., 35c

Campfire.—The brightest scarlet sunproof sweet

Powerscourt.—A pure lavender self with flowers of mammoth size, yet refined and well placed on long stems. Of vigorous and free-flowering habit. The one best pure lavender. Award of Merit from the National Sweet Pea Society of Great Britain. Pkt., 10c; oz., 40c

Model.—A large flowered white. It is black seeded. The best white. Pkt., 10c; oz., 40c

What Joy.—Primrose yellow shading to cream. Pkt., 15c; oz., 60c

Novelties in Giant Flowering Spencer Sweet Peas for 1931

It gives us great pleasure to place before the public the fine Sweet Peas offered on this page, and we trust they will be appreciated by all lovers of this beautiful flower.

(OREGON'S NOVELTY SPENCER COLLECTION)

Which are considered by the best Sweet Pea authorities to be the best six varieties grown. You should by all means grow them in your garden this coming season. We offer the following
Six regular packets, \$1.20 value, for 80c, postpaid.



"Idyl" is a truly magnificent salmon pink Sweet Pea of great size and of exquisite shade and form. Salmon pink on cream has always been a popular shade and lovers of this shade of pink will find in "Idyl" a variety to please them. The color is rich, bright and a delightfully pleasing clear salmon pink. "Idyl" is a strong grower, the stems are long with four well-placed flowers, and the blossoms are nicely waved. Pkt., 20c; oz., 75c

"Reflection" is a great improvement in the clear blue section in Sweet Peas. "Reflection" is the result of a cross made for "blueness" and vigor. The result is an outstandingly robust grower with long, stout stems, usually having four well-placed flowers on each. The flowers are bold, nicely waved, of large size and clear blue with only the slightest trace of mauve in the young bud. The vines are very floriferous, making "Reflection" a much-desired variety for garden decoration, as well as meeting the requirements of the keen exhibitor. Pkt., 20c; oz., 75c

Flamingo.—Beautiful orange scarlet cerise. It is more than that because in sunshine or artificial light it appears to be suffused richly with orange scarlet. The flowers are large, nicely waved and well placed on strong stems. Pkt., 20c; oz., 75c

Pinkie is a large, deep rose pink. It is the result of a cross made for vigor and color, and the result is most outstanding. "Pinkie" is larger than any other variety we have ever seen belonging in the deep pink section of the National Sweet Pea Society's classification list. It is a most vigorous grower, a continuous cropper and with outstandingly long, stout stems. The flowers are nicely waved and well placed on the stem. The beautiful rose pink tone of the flower is free from the "blueness" of other deep pinks and in a bunch it is glorious. We predict a long reign of popularity for "Pinkie" both as an exhibition and garden variety. Pkt., 20c; oz., 75c

"Winnie Morse" is the largest and one of the most beautiful Sweet Peas ever introduced. The flowers are mostly duplexed and delightfully frilled, giving the blossoms a fine light, wavy effect in spite of their large size. The color is cream ground, lightly flushed, soft rose pink. The effect when bunched is very sweet and pleasing, and the flowers are well placed on strong stems. Pkt., 20c; oz., 75c

Carnival (Rose Pink on cream ground).—A beautiful dainty rose pink with just the faintest suffusion of cream, making the color combination hard to surpass. The flowers are perfectly formed with both standards and wings decidedly waved. "Carnival" is a sturdy grower and producing an abundance of large four flowered sprays on long, stout stems. Pkt., 20c; oz., 75c



ASPARAGUS

Conover's Colossal.....Pkt., 10c. Postpaid
PalmettoPkt., 10c. Postpaid

ARTICHOKE

Large French Green Globe.....Pkt., 10c. Postpaid

BEANS

Dwarf, Wax or Yellow Poddled Varieties

Cultural directions.—Beans are very sensitive to cold and wet and should be planted until the ground has become warm and dry. Drop the seed about three inches apart in drills two to three feet apart and cover about one and one-half inches deep. For succession, sow at intervals of about two weeks until the last of July. One pound of seed is sufficient for about 100 feet of drill.

Price of Beans: Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 10 lbs., \$3.00. Postage extra.

New Brittle Wax.—Extremely early, heavy cropper. The handsome pods are nearly straight, long, round, fleshy, tender, "brittle" and entirely stringless at all stages of growth. Quality unsurpassed. Seed almost white, showing only a small dark dot at the eye.

Improved Kidney Wax.—A great improvement over the Davis Kidney Wax. Plants of erect habit, robust in growth and very prolific. Pods somewhat flattened but thick and fleshy, of rich creamy color, stringless and of excellent quality. A great bean for the market gardener.

Davis White Kidney Wax Bean.—The finest yellow podded bush bean. It is very early; the plant is hardy and produces an abundant crop of long, straight, waxy white pods, six to seven inches in length, very attractive and of splendid quality. The dried beans are pure white and are excellent for baking.

Golden Wax Bean.—An old standard variety, and one of the earliest and best. The pods are of medium length, slightly curved, broad, flat, and of golden yellow color.

Pencil Pod Black Wax Bean.—A very handsome black wax yellow podded sort. Medium early, fairly hardy and productive. The pods are long, straight, round, fleshy, tender, stringless, and are produced through a long season.

Dwarf Green Poddled Varieties

Cultural Directions.—Same as the Dwarf, Wax or Yellow Poddled varieties.

Burpee's Stringless Green Pod Beans.—A splendid dwarf, green podded variety for either the home garden or market. The plants are large and productive. The pods are five to six inches long, cylindrical, fleshy and of fine quality. Absolutely stringless.

Bountiful.—This is an extra early, hardy snap, which is very popular with market gardeners. It is named Bountiful because of the heavy crops it produces. The vines are vigorous and upright, having large leaves. The pods are from 5 to 6 inches

long, large and flat. The seeds are of medium size and of a solid, rich yellow color.

Black Valentine Bean.—A very hardy and productive green podded bean, popular with market gardeners. The plants are very productive.

Dwarf Horticultural Bean.—One of the best dwarf for green shell beans for home and market, and may be used early as a green podded snap bean.

Refugee, or Thousand to One Bean.—A standard and very productive variety, highly esteemed for late planting for snaps and for shipping, canning and pickling. The pods are cylindrical and five to six inches long.

POLE OR RUNNING VARIETIES

Dickenson's Yount.—The mammoth 10 to 12-inch pods, picked in their prime, are entirely stringless. The quality is superb for canning or used fresh as a string bean and as a salad bean whole or sliced, and served with dressing it is delicious. The pale green pods are lightly penciled with carmine, which disappears when cooked.

Large pkt., 15c; $\frac{1}{2}$ lb., 30c; lb., 50c.

Kentucky Wonder, or Old Homestead Pole Bean.—The finest and most popular of the pole beans. It is early and very prolific, with long, attractive, green pods of the most excellent quality. The vines are vigorous, climbing well, very productive and bear pods in large clusters.

Price of following Beans: Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c.

Golden Pod Kentucky Wax Bean.—Very similar to the green podded Kentucky Wonder, except that the pods are a little broader and are of a golden yellow color. Very fleshy, stringless and of excellent quality.

White Creaseback.—This bean resembles the Kentucky Wonder in its growth and general appearance. The vines grow tall, are productive, and noted for the extremely short time in which they perfect the pods. The pods are long, round, straight, and stand shipping better than any of the pole beans. They retain their silvery green color for several days after picking, and command top market prices. The seeds are long and pure white.

London Horticultural, or Speckled Cranberry.—One of the best of the Horticultural varieties as a late green shell bean. Many prefer this to the lima. The beans are large, ovate, flesh colored, splashed with red.

Scarlet Runner Bean.—Very ornamental, bearing a profusion of bright scarlet flowers. The pods, when young, are of fine quality.

OREGON POLE LIMA

The large, plump, white beans are of delicious quality, green, shelled or dry. They are in "prime condition" when the pods begin to turn yellow. Oregon grown, acclimated seed.

Large pkt., 15c; $\frac{1}{2}$ lb., 25c; lb., 40c; 10 lbs., \$3.50.

FIELD BEANS

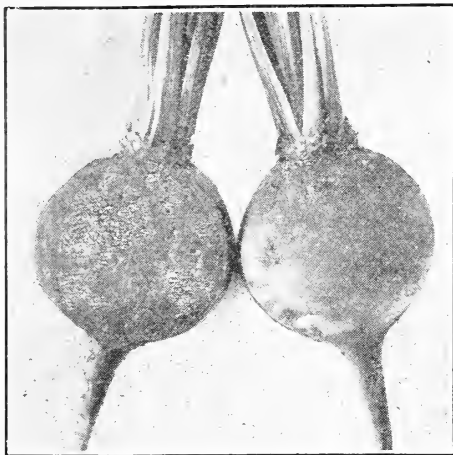
Cultural Directions.—Culture is the same as for other Dwarf Beans.

Lady Washington.—Earlier, larger and more productive than the Navy Bean. Especially adapted to the West.

INOCULATE YOUR BEANS WITH McQUEEN'S INOCULATOR

BEETS

The seed should be sown thinly in drills from $\frac{1}{4}$ to 1 inch in depth, leaving 12 inches or more between the rows, to admit cultivation. When well started, thin the plants to stand 3 to 4 inches apart in the row. One ounce will sow 100 feet of drill; 4 to 6 pounds are needed per acre in drills.



OREGON'S IMPROVED DETROIT DARK RED

TABLE BEETS

Oregon's Improved Detroit Dark Red.—In this Beet the bronze and red tinged tops have been eliminated. One sees now in a large field of them only the uniform gray green which renders them valuable for cooking as greens. The root itself is smooth and runs as true as the illustration here shown. But its greatest claim to superiority is the deep uniform fresh blood color of the flesh of the root. The texture is fine grained and the flesh is crisp and sweet. The ones who grew this last season consider this the best Beet ever grown.

Pkt., 15c; oz., 25c; 4 ozs., 60c; 1 lb., \$1.50.

TABLE BEETS

Early Wonder.—This is a selection from the popular Crosby's Egyptian but matures a few days later. The roots are nearly globe-shaped and uniform in size. They have a small top. The skin is a fine deep red and the flesh is also a rich dark color with very little zoning. It is an excellent variety for market and home use, whether planted early for summer use or late.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Crosby's Egyptian Beet.—A splendid extra early beet, an improvement over the old Extra Early Egyptian, being larger and of better quality. The tops are small. The roots are flattened globe shape, smooth and of bright red color. The flesh is deep red zoned with a lighter shade, and is of fine quality.

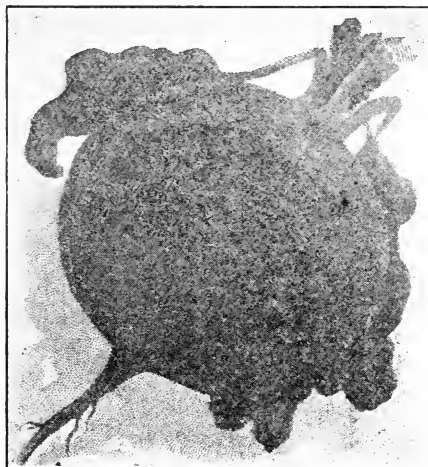
Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Extra Early Egyptian Beet.—Considered the best variety for forcing. The tops are small, the roots very dark red, small, flattened on the bottom, tender and sweet.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Detroit Dark Red Turnip Beet.—A choice variety of early turnip beet. Medium size, nearly globular in form and of deep red color. Very uniform in shape and color. Popular for canning; also excellent for both market and home use.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.



EARLY WONDER

MANGELS

FOR STOCK FEEDING

These require the same soil and climatic conditions as sugar beets and are sown any time up to June 15. Mangel-Wurzels are very valuable for stock-feeding, particularly in sections where it is too cool to grow a good crop of corn. One ounce sows 100 feet of drill; five pounds per acre in drills. Sown broadcast, 15 to 20 pounds per acre.

Giant Half Sugar Mangel.—Yields as much per acre as the best Mangels, and twice as much per acre (bulk or roots), as the rich sugar beet. Roots grow very large above the ground. Smooth, creamy white in color and very nutritious. Easily pulled. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c; 10 lbs., \$5.00.

Mammoth Long Red.—Very popular and much used. A large and heavy cropper. Dark red skin, with whitish flesh; grows one-half or more above the ground; roots quite regular; attain a very large size. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c; 10 lbs., \$5.00.

Danish Sludstrup.—An improved variety, considered one of the best. Awarded first class certificate. Color, reddish yellow, and of a distinct type. It is very hardy, grows well above ground; is easily pulled; very nutritious. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c; 10 lbs., \$5.00.

Golden Tankard.—An enormous yielder of weight per acre, and at the same time very nutritious; flesh deep yellow, of fine shape, growing largely above ground, thus being easily harvested. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c; 10 lbs., \$5.00.

SUGAR BEETS

Klein Wanzleben.—The most popular for table and sugar production. Tops rather large and slightly waved.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 75c.

USE MORCROP FERTILIZER ON ALL VEGETABLES

CABBAGE—Best Kinds for Home and Market

Cabbage succeeds best in cool, moist climates, and in rather heavy friable loams with gravelly subsoil. Early cabbage is sown in the hotbed or in the house about the middle of February. Late cabbage for winter use is sown during June. One ounce will produce about 2000 plants. Sow 1 ounce to 300 feet of drill. Two ounces sown in the hotbed will give sufficient plants to set out an acre; sow 6 ounces in the open seedbed for one acre.



ZERO CABBAGE

ZERO CABBAGE (Improved Oregon Ballhead).—Without a doubt every grower who has grown our Zero Cabbage considers this the best for the Northwest. It is unquestionably the best Cabbage for crating or general market purposes. The outer leaves are deep green and will hold color weeks after cutting. It is the best keeper of all and will stand more freezing weather than other varieties. It has been known to stand zero weather and came through in fine shape. See cut. Note the uniformed head. So far we have never been able to supply the demand and growers should send in their orders early.

Pkt., 15c; oz., 60c; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.



DANISH ROUND HEAD

Danish Round Head (Select Short Stem).—A ball shaped cabbage of great solidity. Color, rich dark green, has few outer leaves and is very hardy. Our stock is Danish grown and of the same superior quality of the short-stem Ballhead, being one of the latest keepers and best variety for early spring market.

Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; lb., \$3.75. Postpaid.

Earliest of All.—A new variety in this country, one of the very earliest, and in quality one of the finest of the extra early varieties. It is of medium size, very firm at the heart; with very few outer

leaves and these free from coarseness. It is dark green in color with small white veins.

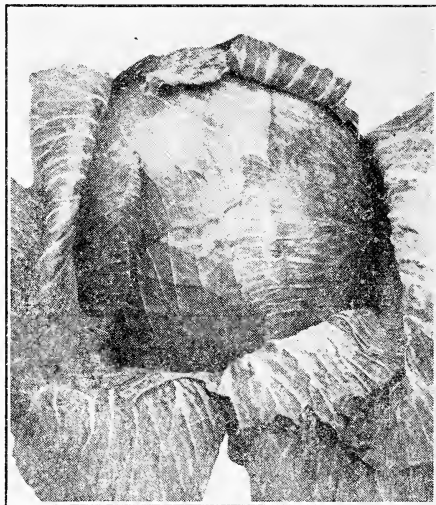
Pkt., 15c; oz., 50c; 4 ozs., \$1.50; lb., \$5.00.

Danish Ballhead.—Our seed is absolutely unequaled. It is esteemed for winter use because of the great solidity and excellent keeping qualities of the heads. From repeated trials, as well as from the experience of many customers purchasing our original Danish-grown seed, we know that this selected strain surpasses in even growth and heading, as well as in uniform size and solidity of heads, any other stock of "so-called Hollander Cabbage." The magnificent heads are nearly round in form, very hard and solid; they keep in finest condition when buried through the winter, coming out solid in spring. Pkt., 10c; oz., 35c; 4 ozs., \$1.25; lb., \$3.75.

Early Jersey Wakefield Cabbage.—This has long been the standard early cabbage. It is one of the earliest and is a sure leader. The heads are of medium size, uniformly pointed, very solid and of good quality. Pkt., 10c; oz., 35c; 4 ozs., \$1.25; lb., \$3.75.

Early Winnigstadt Cabbage.—Not quite so early as Early Jersey Wakefield, but similar in shape and size. An excellent early variety for home market.

Pkt., 10c; oz., 35c; 4 ozs., \$1.25; lb., \$3.75.



COPENHAGEN MARKET

Copenhagen Market Cabbage.—The earliest large, round headed cabbage; very large, very early and very solid. The plants are short stemmed, compact, with few outer leaves, and are vigorous. One of the best for either home or market.

Pkt., 10c; oz., 35c; 4 ozs., \$1.25; lb., \$3.75.

Red Rock Cabbage.—The largest and surest heading red Cabbage. It is late, large, round, very solid and of attractive deep red color.

Pkt., 10c; oz., 35c; 4 ozs., \$1.25; lb., \$3.75.

American Drumbhead Savoy Cabbage.—Best of the main crop or late Savoy Cabbage. The plants are vigorous, with rather short stem, and are very sure heading. The leaves are fleshy and are densely and uniformly crumpled. The heads are large, nearly round, fairly solid, sweet and tender.

Pkt., 10c; oz., 35c; 4 ozs., \$1.25; lb., \$3.75.

CHINESE CABBAGE

Pe-Tsai (Celery Cabbage).—The plant forms heads much like Cos Lettuce. It is of distinct flavor, mild and pleasant, and is served as a salad or cooked like Pe-Tsai. Pkt., 10c; oz., 35c; 4 ozs., \$1.00; lb., \$3.50 asparagus.

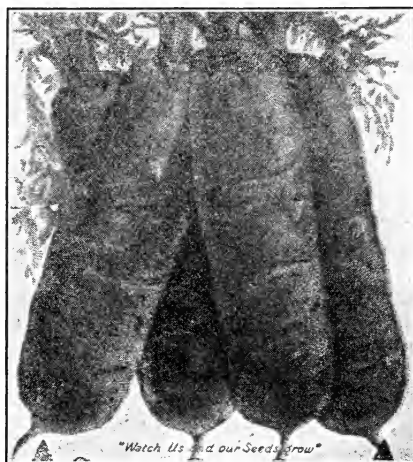
WE LIST ONLY THE BEST VARIETIES FOR THE NORTHWEST

CARROTS—BEST GARDEN

Culture.—A sandy loam is the best soil for the carrot, but any good land, if thoroughly and deeply worked will produce satisfactory crops. Sow as early in the spring as the ground is fit to work, though good crops may be grown from sowing as late as June 15. For table use, sow the smaller kinds in rows 16 to 18 inches apart, and for field culture prepare the ground thoroughly and sow in drills 18 to 24 inches apart. Cover one-half to one inch deep and see to it that the soil is well firmed above the seed.

A number of roots have been tested out for sugar content and they showed 15% sweeter than the regular Chantenay. In our opinion, this strain of Carrots has been considered the best variety for the market gardener and home garden. (Give this a trial and be convinced.)

Pkt., 15c; oz., 25c; 4 ozs., 75c; lb., \$2.00.



NEW CORELESS

New Coreless.—A splendid new carrot. Larger than other early varieties. Crisp, solid, of fine flavor and almost coreless, grows smooth and uniform, a true stump rooted type. The very best for canning or drying as it is nearly coreless and has no tap root to trim off and waste. Holds its color and cooks quickly. The ideal carrot for home gardens.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Chantenay.—The market gardener's favorite. Tops, medium size; necks, small; roots, tapering slightly but uniformly stump-rooted. Although this is a medium early sort, it furnishes roots of usable size as early as any; is a heavy cropper and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

Oxheart.—A thick carrot, 5 to 6 inches long and very blunt at the lower extremity. It grows very rapidly and the root attains a weight of more than a pound. It is tender and of good flavor.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

Danver's Half Long.—Grown largely on account of its productiveness and adaptability to all classes of soil. Tops, medium size, coarsely divided. The smooth, handsome roots are of medium length, tapering uniformly to a blunt point; flesh, sweet, crisp, tender; deep orange in color. Although the roots of this variety are short, they produce as large bulk as the longer field sorts, and are more easily harvested.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

OREGON'S RED CORED CHANTENAY

The tops are shorter and the foliage finer cut than regular Chantenay. However, the tops are not brittle and are strong enough to bunch easily. The surface of the root is smooth and free from large eyes and side rootlets. The exterior color is a rich orange, decidedly deeper than the ordinary run of Chantenay. The core is small and nearly the same color as the flesh. Under ordinary conditions the roots grow about 6½ to 7 inches long, are 2 to 2½ inches in diameter at the shoulder and are broad at the bottom, often being 1¼ to 1½ inches at bottom.

The outstanding features of this strain are smoothness and refinement of the roots. The excellent color of both the exterior and interior and the very uniform and perfect stumping. The stock is very even, the roots being very uniform in size and appearance, and earlier than the regular strain of Chantenay.

CARROTS FOR STOCK FEEDING

Improved Short White—"Mastadon."—Ranks as a field carrot, owing to its enormous productiveness and the ease with which it can be harvested. Roots half long, smooth, very heavy at the shoulder, but tapering regularly at the point; color, light green at the crown, white below; flesh, rich, white, solid, crisp and of excellent flavor.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

Large White Belgian.—This carrot grows a third

or more of its length above the surface. Roots will average 2 inches in diameter at the shoulder and a foot or more in length. The diameter is even throughout the entire length, the roots tapering gradually at the base. They are easily pulled in harvesting, and do not have to be dug out, like most long-rooted sorts. Flesh and skin pure white, though the latter is occasionally tinged with green in upper portion growing above the soil.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00

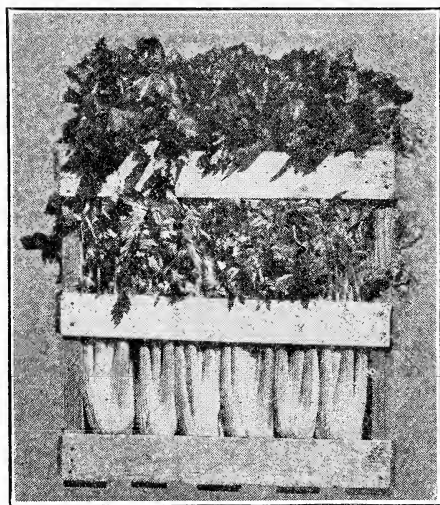
BROCCOLI

St. Valentine Broccoli.—A splendid new strain of white Broccoli. It is a sure header; the heads are large, solid, white and handsome; and they remain in good condition longer than other varieties. It is ready for market in February. Pkt., 15c; oz., \$1.25; 4 ozs., \$5.00; lb., \$16.00. Postpaid.

Italian Green Sprouting Broccoli.—A new sort with much merit. Its habit of growth is much different from regular broccoli in that after the main head has been harvested the stem branches and produces numerous small loose heads about two inches in diameter which, though green in color, are nevertheless of very fine flavor and delicious quality. It can also be grown successfully in almost any section of the West since it thrives also in warm places if plenty of moisture is supplied, but should always be grown during the cool season of the gardening year. Pkt., 10c; ¼ oz., 45c; oz., \$1.25; ¼ lb., \$3.50; lb., \$10.00.

BRUSSEL SPROUTS

Long Island Improved.—This is a fine strain of sprouts grown extensively for the market, where they bring a good price, especially during the winter. The plants produce a large crop of tightly folded sprouts of delicious, sweet flavor. Pkt., 10c; oz., 35c; 4 ozs., \$1.00; ½ lb., \$1.65; lb. \$3.00. Postpaid.



CELERY—GOLDEN PLUME

Golden Plume or Wonderful Celery.—We offer re-selected seed of this splendid new celery. It resembles Golden Self Blanching in crispness and flavor, but is a larger and ranker grower, earlier, blanches more quickly and is more resistant to blight. Pkt., 15c; oz., \$1.75; 4 oz., 50c; lb., \$17.00.

Golden Self Blanching—New Strain.—The plants grow very tall and weigh very heavy. The stalks are wide and rather flat, while the quality is extra fine, being more free of strings than the old strain. Pkt., 15c; ¼ oz., 65c; oz., \$1.50; ¾ lb., \$5.00; lb., \$16.00.

Golden Yellow Self-Blanching.—This is no doubt the best celery for early Spring market use. Plants are of a yellowish green color when young, but as they mature the inner stems and leaves turn a beautiful golden yellow, which adds much to their attractiveness and makes the work of blanching much easier. Pkt., 10c; oz., \$1.00; ¼ lb., \$3.50; lb., \$12.00. Postpaid.

White Plume.—The leading white celery. A handsome crisp sort, of very easy cultivation. Naturally its stalks and portions of its inner leaves and heart are white. It is the earliest celery known. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00. Postpaid.

Giant Pascal.—Largest variety grown; of fine, nutty flavor; very easily blanched. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00. Postpaid.

INTRODUCING A NEW AND SUPERIOR CAULIFLOWER CATSKILL

A remarkably sure heading early Cauliflower. It is of dwarf habit with short outside leaves and is similar in most respects to Early Snowball, and nearly as early. The heads when ready for market are of medium to large size. The curd is white, exceptionally deep and of finest quality. It will give excellent results either in the home garden or for market use and is superior to most seed sold at higher prices. Pkt., 20c; oz., \$3.50; 4 ozs., \$12.00.

Danish Dry Weather Cauliflower produces a large, solid, pure white head. In all respects it is a first-class Cauliflower, but is especially adapted to dry locations. It will, of course, also do well in moist localities or wet seasons, yielding crops equal to any. It is not suited for forcing under glass but has proven especially valuable in the western states. A sure header with a delicious flavor. Pkt., 10c; oz., \$2.50; 4 ozs., \$8.00; lb., \$30.00.

CAULIFLOWER

Extra Early Quick Silver.—This strain is imported direct exclusively for our large market garden trade, from the most famous European grower of the Cauliflower. The large, handsome heads measuring 8 to 10 inches across, are pure snowy white, very close compact, and of the finest quality.

Pkt., 20c; ½ oz., \$2.00; oz., \$3.50
Early Snowball Cauliflower.—The standard early cauliflower for all purposes. The heads are of medium to large size, solid, compact, round, very white and curd-like, and are developed very early. Pkt., 10c; oz., \$2.00; 4 ozs., \$7.50; lb., \$25.00. Postpaid.

Gilt Edge.—Best and surest of all. Produces large, heavy, solid, white heads of finest quality. Undoubtedly the best variety. Maturing immediately after our large Snowball.

Pkt., 10c; oz., \$2.75; 4 ozs., \$8.50; lb., \$30.00

CELERIAC, or TURNIP ROOTED CELERY

Celeriac, or Turnip Rooted Celery.—

Pkt., 10c; oz., 25c. Postpaid.

CHIVES—Schnittlauch

Per bunch, postpaid, 15c; Chives seed, per pkt., 10c

CHICORY

Large-Rooted or Coffee

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50

Witloof (French Endive)—Seed sown in the spring produces long, thick roots by November. To force for use the roots are dug in the fall, trimming off the leaves an inch above the crown. Trench in a warm, dark place, covering with six or eight inches of soil and top layer of fresh manure. The blanched head of leaves thus obtained resemble Cos lettuce and makes a delicious salad.

Pkt., 10c; oz., 40c; ¼ lb., \$1.00.

COLLARDS

A loose-leaved cabbage or kale-like plant grown mostly in the South and used for greens. Culture is similar to cabbage. Pkt., 10c; oz., 20c. Postpaid.

CRESS

Fine Curled Peppercress.—Quick growing, finely cut and feathery, like a good parsley; growth dwarf and compact; ornamental, crisp and pungent; very refreshing.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50. Postpaid.

Water Cress.—Highly esteemed as a salad during the spring and fall, also used as a garnish for meats during the winter. Seed may be started readily in pans or boxes of very moist earth, and the young plants transplanted to shallow water.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

CORN SALAD

Large Seeded.—Sow in spring, in drills one foot apart; it will mature in 6 or 8 weeks. For winter and early spring use, sow in drills in August and September.

Pkt., 10c; oz., 15c; ¼ lb., 50c.

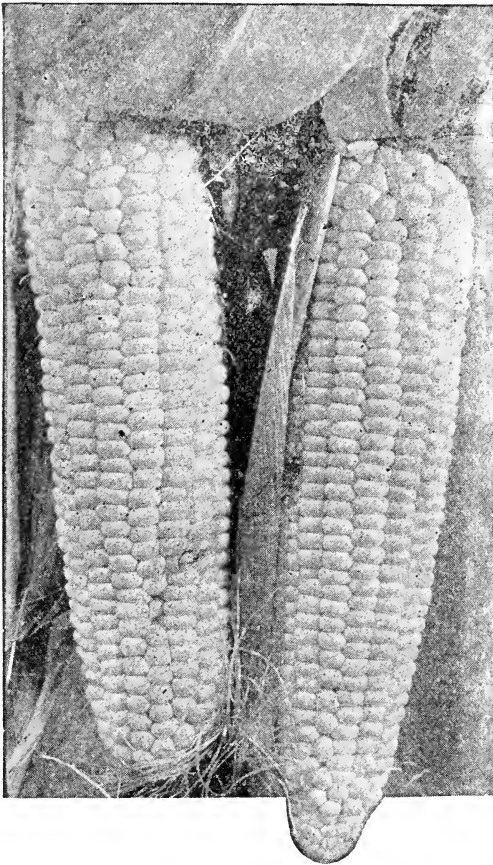
SWISS CHARD

New Savoyed Leaf "Lucullus"—An improved variety about 2½ feet high. The heavy stalks are over an inch thick and bear for more than a foot of their length. The leaves make the finest of "greens." By cutting back the leaves close to the ground tender shoots spring up quickly; these or the mid-rib are very delicious cooked as asparagus.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00. Postpaid.

CORN—Sweet or Table Varieties

The sweetest flavored Corn cannot be purchased. It must be home-raised. This will always be so.



The choicest Sugar Corn is only had where it is possible to cook it within an hour after picking. If you wish to have Sweet Corn at its best, pick or pull the ears when the kernel may be easily punctured with the thumb nail. Arrange to make successive plantings throughout the season so as to insure a supply just in the right condition.

Contrary to general belief Corn is raised successfully in most of Oregon. It makes a profitable field crop and Sweet Corn is a most delicious garden vegetable. As Corn is very sensitive to frost, it cannot be planted with any degree of safety until about the middle of April, except in localities that are notably free from late frost. Moist, rich soil is best for Corn and frequent hoeing or cultivating improves it. The small rich mountain valleys seem especially favorable for good table Corn. In pulling Corn for the table it is important that it be picked at just the right time. The usual custom is to plant in hills four feet apart each way, but some gardeners prefer planting in drills and allow a plant to stand every four inches. If in hills thin to best three plants.

GOLDEN WEST

A selection from the original strain of Golden Bantam and is earlier than Golden Bantam. Produces larger ears and has a more vigorous growth. Ears are a rich golden yellow with a quality that is ahead of other early varieties. Excellent for the market or home garden. Pkt., 10c; ½ lb., 20c; lb., 30c.

GOLDEN EARLY MARKET

A recent introduction. On account of its extreme earliness (almost two weeks ahead of Golden Bantam), it brings fancy prices. The ears are large and quality equal or superior to any other of the real early white varieties. A tall, strong grower. Very desirable on account of its earliness. Pkt., 10c; ½ lb., 20c; lb., 30c, postage paid; 10 lbs., \$2.50.

EARLY EVERGREEN

This fine variety is 10 to 12 days earlier than Stowells Evergreen and yields large, handsome, 10 to 12-rowed ears. An excellent variety to follow the first early kinds. Near Portland it will make a late or main crop variety. Large pkt., 10c; ½ lb., 20c; lb., 30c. Postpaid. 10 lbs., \$2.50.

Golden Bantam Corn.—It is early; the stalks are sturdy and grow four or five feet high. The ears are eight rowed, six to seven inches long, and the kernels are large, exceptionally rich and sweet, and of a beautiful golden color.

Large pkt., 10c; ½ lb., 20c; lb., 30c. Postpaid. 10 lbs., \$2.50.

Country Gentlemen Corn.—The finest of the later varieties. It does well in this locality when conditions are favorable. The ears are seven to nine inches long, the cobs very small and densely covered with irregular rows of very long, slender white grains, unsurpassed in quality.

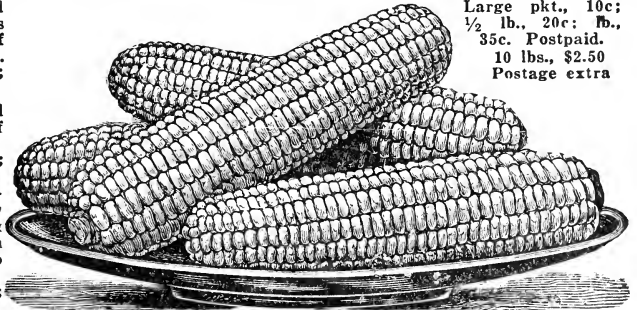
Large pkt., 10c;
½ lb., 20c; lb.,
35c. Postpaid.
10 lbs., \$2.50
Postage extra

Oregon's Golden Cream Sugar Corn.—A cross of Golden Bantam and Country Gentleman. The result is a yellow Country Gentleman. The ears are larger than Golden Bantam and are thickly set with delicious yellow kernels. The flavor of this variety is rich and nut like and those who used this variety last year praise it highly. Golden Cream has a distinct flavor from other sorts. You should try this in your garden this year. Large pkt., 10c; ½ lb., 20c; lb., 30c. Postpaid. 10 lbs., \$2.50.

Golden Giant.—Grown and bred in New England, where it is pronounced the sweetest corn ever eaten. The stalks grow 4½ to 6 feet tall and produce two to three ears each; ears 7 to 9 in. long, with 12 to 18 rows of long, deep kernels of deep orange color. Large pkt., 10c; ½ lb., 20c; lb., 30c; postpaid. 10 lbs., \$2.50.

Early Minnesota Corn.—An old standard second early sweet corn of good size and excellent quality. Large pkt., 10c; ½ lb., 20c; lb., 30c; postpaid. 10 lbs., \$2.50.

Stowell's Evergreen Corn.—A standard late variety of fine quality, very tender and sugary, remaining a long time in edible condition. Ears seven to eight inches long; fourteen to twenty rowed, with very white grain. Large pkt., 10c; ½ lb., 20c; lb., 30c; postpaid. 10 lbs., \$2.50.



USE MORCROP FERTILIZER—A ND WATCH YOUR CORN GROW

NEW DELTUS

CUCUMBERS

Cultural Directions.—Cucumbers require a warm, rich, sandy loam soil. For early Cucumbers the plants may be started in boxes or pots in a hotbed or in the house. They should not be set outdoors until the weather is warm and settled. Form hills about four feet apart each way by mixing a generous amount of well rotted stable manure or commercial fertilizer with the soil. Plant eight to a dozen seeds, or plants, in each hill. After all danger of insects is past thin the plants to three or four of the strongest in each hill. The fruit should be gathered when large enough, whether required for use or not.

CUCUMBER—NEW DELTUS

New Deltus Cucumber.—This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniformly large, from 12 to 14 inches in length, rich dark green color and blunt ends. This variety was grown by market gardeners last season with greatest success. If you like cucumber and want them on your table when they are at their best, fresh, crisp and juicy, plant a few hills of this perfect Cucumber. We know you will find it all we claim it is. When you have picked and eaten some Deltus, write and tell us what you think of it.

Pkt., 15c; oz., 25c; 4 oz., 75c. Postpaid.

CUCUMBERS—PRIDE OF OREGON

Pride of Oregon.—A really sensational novelty. In our opinion the best new Cucumber ever introduced, compared with other extra long white spine Cucumbers, like Davis Perfect, Fordhook, Famous, etc. It is much darker in color, more uniform in size, thinner and more prolific. Don't fail to try it.

Pkt., 15c; oz., 25c; 4 oz., 75c. Postpaid.

Davis Perfect Cucumber.—A very early, handsome and well shaped Cucumber, bringing fancy prices in the market, and often mistaken for hot-house grown. The long, even fruits are of fine form with an intensely dark, rich green skin. It has very few seeds, and the solid white flesh is of the finest quality.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., 1.35. Postpaid.

Long Green Cucumber.—Vines vigorous and productive. The fruits are very long, often twelve to fifteen inches when mature, slender and of beautiful dark green color. Excellent for both slicing and pickles.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., 1.35. Postpaid.

White Spine Cucumber.—One of the best for table use. The vines are vigorous, fruiting early and abundantly. The fruits are dark green, about seven inches long when mature, and the flesh is crisp, tender and of excellent quality.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., 1.35. Postpaid.

Early Frame, or Short Green Cucumber.—An early, medium sized, bright green variety, popular for the home garden for both pickling and slicing. The vines are vigorous and productive; the flesh crisp and tender.

Pkt., 10c; oz., 15c; lb., 35c; ¼ lb., \$1.25. Postpaid.

Boston Pickling Cucumber.—A very productive variety extensively grown for pickles. The fruits are of medium size, bright green, smooth and symmetrical.

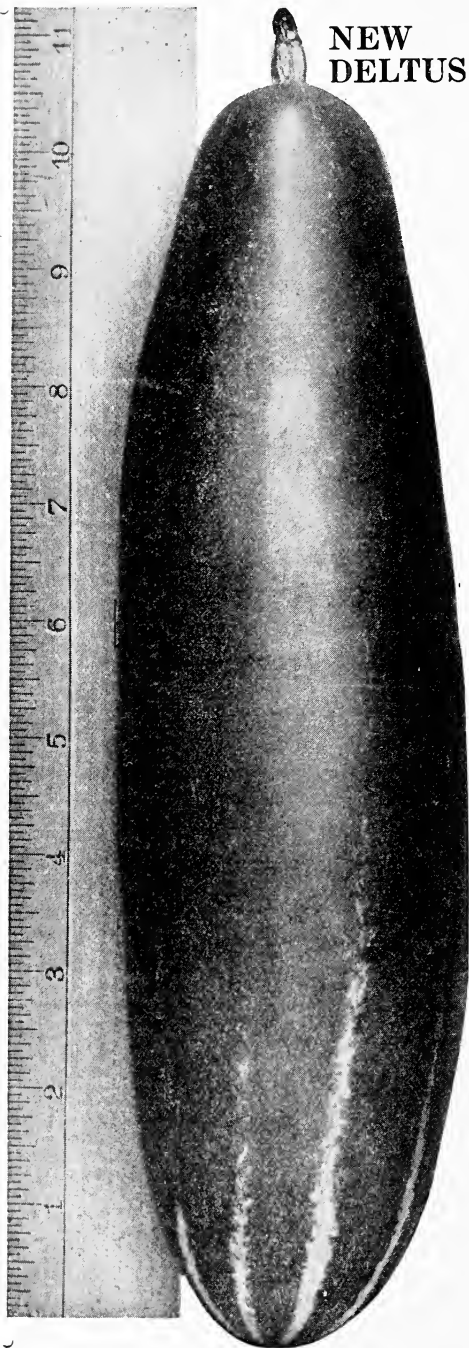
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00. Postpaid.

Lemon Cucumber.—The vines produce prolifically dainty little Cucumbers resembling lemons in both form and color and having a delicious and distinct flavor.

Pkt., 10c; oz., 25c. Postpaid.

Japanese Climbing Cucumber.—Fruit very long and slender; the skin smooth and dark green; flesh pure white, crisp and of mild flavor. The vines should be trained over a trellis.

Pkt., 10c; oz., 15c. Postpaid.



EGGPLANT



BLACK BEAUTY

Black Beauty.—Rich purple-black in color and a remarkable market variety. Is early and makes also a fine sort for the home garden. Pkt., 10c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.50; lb., \$7.50.

New York Improved Large Purple.—The principal market variety. Plants are large and spreading; fruit large and of deep rich purple. Pkt., 10c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.50; lb., \$7.50.

ENDIVE

An attractive so-called bitter salad plant, very popular for use during fall and winter months. Sow seed in June or July in rows 18 inches apart and thin out plants to stand 6 inches apart in the rows. For use the plants must be blanched and this is done by gathering leaves together and tying loosely at top with a wisp of straw or soft twine for about a week.

Broad Leaved Batavian or Escarole.—This has broad thick leaves. It is used in the natural state as a salad or as a boiling-green to be cooked like spinach. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00

Green Fringed.—This has very curly leaves, the mid-ribs being white. After blanching the leaves make a delicious and appetizing salad

Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00

Giant Fringed.—Large green fringed leaves. Popular on the market.

Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00

White Curled.—Very attractive; frequently does not require tying up.

Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00

KALE or BORECOLE

Very largely grown in the Southern States. May either be treated like cabbage or the seed may be sown in drills in the open ground in September. It is hardy and will withstand frost and snow.

Dwarf Curled Scotch.—Long plume-like leaves with edges finely cut.

Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00

Tall Green Curled Scotch.—Height 2½ feet. The finely cut leaves are pulled from the stalks as needed. Pkt., 1c; oz., 20c; ¼ lb., 65c; lb., \$2.00

KALE FOR FEEDING

Jersey Kale.—Large, heavy, massive plants with giant, broad leaves. It gives enormous production and is becoming very popular for feeding. This variety produces by far the largest crop. We offer seed of our own growing. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00; 3 lbs. or more, 90c. Postpaid.

Giant Marrow.—Thick and fleshy leaf stalks. Yields a very large supply of green food. Excellent for chickens.

Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

KOHL RABI

Sow the seed thinly in drills where the plants are to stand and thin out to 8 inches apart. The bulbs or roots grow quickly and should be used when no larger than a tennis ball. It is best to make several sowings.

Early White Vienna.—The standard variety.

Pkt., 10c; oz., 20c; ¼ lb., 75c.

Early Purple Vienna.—Differs from preceding only in color. Pkt., 19c; oz., 20c; lb., 75c; ¼ lb., \$2.50

LEEK

Seed should be sown in June and the plants should stand 6 inches apart in rows 2 feet apart. As the plants attain full growth draw soil up about the stems as this not only blanches the stalk, but also gives a more tender quality.

American Flag.—The favorite variety.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.35

Carentan.—The largest variety, although stems are not so long.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

HERB SEEDS

Anise.—Annual. Seeds have medicinal value Pkt., 10c.

Balm.—Perennial. Leaves used for medicine. Pkt., 10c.

Basil, Sweet.—Annual. Culinary herb. Pkt., 10c.

Caraway.—Perennial. Seeds used for flavoring. Pkt., 10c.

Catnip.—Perennial. Used for flavoring. Pkt., 10c.

Coriander.—Annual. Seeds used for flavoring. Pkt., 10c.

Dill.—Annual. Seeds used for flavoring. Pkt., 10c.

Horhound.—Perennial. Used in cough medicine. Pkt., 10c.

Lavender.—Perennial. Leaves used for perfume. Pkt., 10c.

Sage.—Perennial. Leaves used for seasoning. Pkt., 10c.

Summery Savory.—Annual. Used for seasoning. Pkt., 10c.

Sweet Marjoram.—Annual. Used for seasoning. Pkt., 10c.

Thyme.—Perennial. Leaves used for seasoning. Pkt., 10c.

GARLIC

Culture.—Garlic is a profitable crop if your soil is right and proper methods of culture are employed. The sets are planted in the same manner as "Multiplier Onions," dividing the little clump, planting each bulblet thick end down, being careful not to bruise them as they will rot if injured. October is the planting month in Western Oregon.

A medium loam soil containing a little sand and well drained is best and commercial fertilizer should be used. Deep and thorough preparation of the soil is necessary.

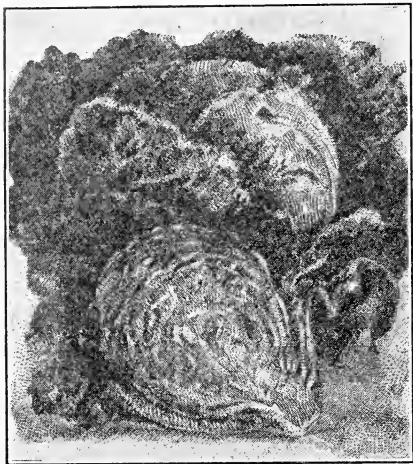
Plant in rows 14 inches apart—sets 4 inches apart in the row. It requires 175 to 200 pounds to plant an acre. When approaching maturity, the tops die down and are not removed but used to braid the Garlic together for hanging up and convenience in handling. An acre should produce from two to four tons. Lb., 40c, postpaid. Write for quantity prices.

COW or THOUSAND HEAD KALE

Plants in Season

The great demand for this wonderful forage plant proves it to be the most valuable green feed for Pacific Coast dairy and stockmen, endorsed by Agricultural Colleges and Government Stations. Cow Kale should be grown in the same manner as cabbage. Make the rows 4 feet, plants 3 feet apart in the row. Can be set as late as July. Write for full information on planting and feeding. A quarter of a pound of seed will produce enough Kale plants for one acre. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c

LETTUCE



IMPROVED NEW YORK or WONDERFUL

New York, or Wonderful.—The best head lettuce for market growers. This is the mammoth head lettuce so largely grown for shipment to distant markets, arriving in splendid condition. The immense heads are solid, heavy, beautifully blanched to a creamy white with bright green outer leaves. The quality is unsurpassed, being tender, crisp and sweet. "New York" is a hardy, rapid grower, deep rooted and resistant to drought; a slow seeder and sure to head. Plants should be thinned 12 to 14 inches.

Pkt., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.00.
Two-year-old seed: 1 oz., 40c; 4 ozs., \$1.00; lb., \$3.50

Grand Rapids.—Very popular with private gardeners and as a lettuce for greenhouse forcing. It will stand shipping better than most curled sorts. Of quick growth and stands for some days after being fit to cut. The plant is upright, and forms a loose head or cluster of large bright green leaves, finely crimped and ruffled; rather thin, good flavor, crisp and tender. Pkt., 10c; oz., 15c; 4 ozs., 50c; lb., \$1.50.

Early Prize Head.—A large clustering, non-heading lettuce, excellent for the home garden and undoubtedly the most easily grown variety in cultivation. Leaves finely curled and crumpled, bright green tinged with brownish-red, very crisp, tender and sweet. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

Big Boston Improved.—Plants grow large, very hardy and vigorous, leaves broad, comparatively smooth, wavy at edges, thin, very firm and crisp; color bright light-green, slightly tinged with reddish-brown. Grown extensively in the South for shipment North in the winter. It usually heads up under cold weather conditions better than any other variety.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

Simpsons Early Curled.—A very extensively used early loose-leaved or clustering variety. Leaves light green, slightly frilled, crisp, sweet and tender.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

Early White Cos.—"Salad Romaine," or Celery Lettuce. Heads tall and circular. As a salad lettuce it is highly esteemed for its fresh crispness and mild

Culture—Lettuce is so extensively grown that cultural directions seem unnecessary, but we offer a few simple suggestions that may save a later disappointment, as any failure is generally blamed to the seed. This should not be, as lettuce, like many other vegetables, requires very rich soil, plenty of water, a cool growing season and intense culture to produce the best results. If the earliest varieties are planted out in the spring, and the weather turns dry and hot, they will run up to seed without heading. The same seed sown in the fall or with cooler growing weather would develop perfectly.

New York No. 12 Improved.—A very popular head lettuce with the market gardener. We can recommend this as being the very best head lettuce. Heads grow to a remarkable size, which are solid and heavy; heads green outside and white inside, and will stand the hot sun better than any other variety.

Deliciously sweet, crisp and tender. New York No. 12 is a hardy, rapid grower, deep rooted, a slow seeder and sure to head.

Pkt., 15c; oz., 40c ¼ lb., \$1.25; lb., \$4.00

New Iceberg.—This is a beautiful lettuce, the quality of which is simply perfect. The large, curly leaves, which cover the outside of the solid heads, are of a bright, light green. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curving strongly toward the center, makes it impossible for leaves to open outward and expose the center, which will always be found crisp, tender, sweet and melting. It matters not whether grown to head in the early spring or the hottest days of summer, the leaves are always crisp and tender.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00



NEW ICEBERG

flavor. Give each plant about 4 inches space. By drawing the outer leaves together the center will blanch to a snowy white.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50

Hanson.—Improved hard heading stock. A very popular head lettuce. We can recommend this as one of the very best. Heads green outside and white inside; grow to a remarkable size; very solid, and is deliciously sweet, crisp and tender. It withstands the hot sun.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50

USE MORCROP, THE BEST FERTILIZER

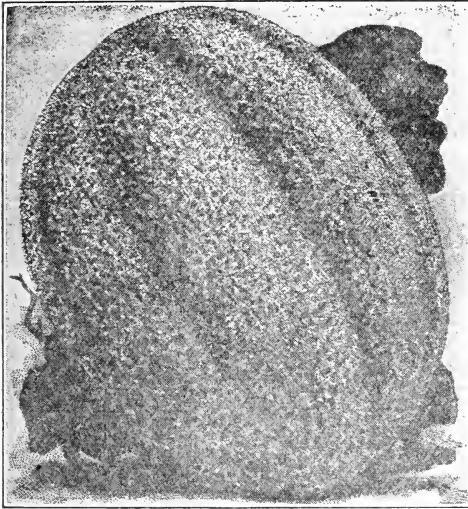
LETTUCE A PRIZE FOR POULTRY KEEPERS

New Chicken Lettuce.—Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.35

MUSKMELONS

Culture.—Plant in hills 4 to 6 feet apart, after frost is past and ground is warm; enrich with well-rotted manure; plant seeds just under the surface, not too deep. One ounce to 50 hills, 2 or 3 lbs. per acre. Melons thrive best on warm, light soils, but good crops are obtained on heavy ground if rich and well drained.



Burrell Gem.—Melons 6 to 7 inches long, 4½ to 5 inches in diameter, sharply sloping at the ends. They are quite well ribbed and covered with a fine grayish netting. The skin is a rich dark green, contrasting finely with the deep orange-salmon colored flesh, sweet and tender. The flesh is thick and firm, ripening close to the skin, leaving only a thin rind. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50

Netted Gem, or Rocky Ford.—An old favorite and one of the most popular and best sellers among the Rocky Ford melons. The fruit of Netted Rock is oval and completely covered with a beautiful lace-like netting. The flesh is very thick; light green, very sweet and delicious and of superb flavor. The fruit is wonderfully uniform in shape and quality; medium in size, a great favorite.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50

Montreal Green Nutmeg.—This is known as Montreal Market. An excellent, very large melon, weighing 18 to 20 pounds each. The fruits are round, somewhat flattened at both ends, of medium green color, heavily ribbed, and well netted. The flesh is thick and sweet.

Pkt., 10c; oz., 15c; 4 ozs., 45c; lb., \$1.50

Hearts of Gold.—This is the ideal melon for the home garden. It is as round as a ball, heavily netted, very productive, strong growing and free from disease and the flesh is thick, tender, juicy and sweet. We hear some very complimentary things about Heart of Gold.

Pkt., 10c; oz., 15c; lb., \$1.50

Hale's Best Muskmelon.—No other large melon matures as early as Hale's Best. Even in a season remarkable for its coldness it was ripe in 68 days after planting. The melons are oval, inclined to produce some fruits of somewhat more elongated shape. The beautiful salmon flesh is exceptionally thick and sweet, practically melting in the mouth. The fruits are broadly ribbed and covered with a heavy netting.

Pkt., 10c; oz., 25c; 4 ozs., 50c; ½ lb., 75c; lb., \$1.25

Emerald Gem.—The finest for home garden on account of its high quality and extra earliness. The dark green fruit is of medium size, flattened at both ends. The flesh is thick, sweet and melting, with a rich, spicy flavor. It will ripen where others fail and nearly every melon is good.

Pkt., 10c; oz., 15c; lb., \$1.25

MUSTARD for Greens

The leaves of these varieties of mustard, as listed here, make excellent greens of sharp, pungent flavor, and are cooked the same as spinach or beet leaves. Sow seed in drills early in the spring and at frequent intervals throughout the summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. One ounce will sow 50 feet of row.

Fordhook Fancy.—Plants are of vigorous growth, and have beautiful dark green leaves which curl outward like fine ostrich plumes. It stands well, even during the hot summer months.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25. Postpaid

Giant Southern Curled.—Large variety forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended.

Pkt., 10c; ¼ lb., 35c; lb., 90c

White English.—Seed yellow and pungent, used for grinding and for flavoring pickles.

Oz., 10c; ¼ lb., 30c; lb., \$1.00

MUSHROOM SPAWN

With intelligent care and good spawn, mushrooms can be made to pay handsomely. They can be successfully grown in a dry cellar, under the benches of a greenhouse, or in sheds, where the temperature can be kept from 50 degrees to 60 degrees through the winter.

Pure Culture American Spawn.—The very best spawn taken direct from the growing culture. There is no chance for any "wild" spawn to get mixed in. Bricks weigh 1½ pounds. Brick, 40c, postpaid; by express, 5 bricks, \$1.75. Write us for quantity price.

'USE MORCROP' AND NOTE THE DIFFERENCE

WATERMELONS

CULTURE—Watermelons thrive best on light, well-drained soils, but give good results on any good rich garden soil properly drained and cultivated. Plant after weather is settled and ground warm. Hills 8 feet apart each way, well-rotted manure worked into each hill. 1 oz. of seed will plant 30 hills, 2 to 3 lbs. per acre.

Cole's Early.—The Northern states' favorite. As an early melon it is the standard of high quality; in sugary delicious crispness, flavor and melting tenderness, it is the top-notch. It is oblong shaped, about 20 inches long, 12 inches through; skin mottled, thin brittle rind, therefore not a good shipper. The flesh is rich and deliciously sweet.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50

Kleckley Sweets.—It is, without question, the most desirable variety to plant for home use or nearby markets. The fruits are very attractive, oblong in form, and have a glossy dark green skin. The rind is unusually thin, with the flesh ripening close to it. The color of the flesh is a beautiful bright scarlet. The heart is broad and remarkably solid. The white seeds are placed close to the rind. The melons average 18 to 20 inches in length by 10 to 12 inches in diameter. The melons are seldom found in the market because, on account of their thin rind, they are not suited for shipping.

Pkt., 10c; oz., 15c; 4 ozs., 35c; lb., \$1.00

"King and Queen."—Winter Watermelon.—Average weight 25 pounds. Spherical shape, ivory shell, pink center, seeds black. A luscious, valuable winter melon, hardy, a good drought-resister. Ripens every melon in less than 120 days. Keeps for ninety days if not bruised. Shell very hard and melon ripens to within ¼ inch of it.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50. Postpaid.

Black-Seeded Ice Cream Watermelon.—Grown extensively in Wenatchee and Yakima sections of Washington. A splendid shipping melon, does exceptionally well in any soil which grows melons. Almost round, pink meat, black seeded, a fine keeper. Drought-resistant, ripens early.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50. Postpaid.

Klondike.—For genuine merit the Klondike is surpassed by no other melon. It was first introduced in 1909 and has steadily gained in popularity each year. The seeds are quite small, the color brown mottled black, while the flesh is a distinctive shade of red. The rind is dark green, and although thin, it is still a good shipper because it does not wilt. The shape is long and the average weight 20 pounds. The seed being so small one pound contains as many as two pounds of most other varieties. Our stock is procured from the introducer who has kept it pure to the original type.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50. Postpaid.

Halbert Honey.—An early maturing variety suited to the Northern states; vigorous and very productive. Melons 18 to 20 inches long. Skin dark, glossy green; flesh beautiful crimson, tender, sweet and delicious.

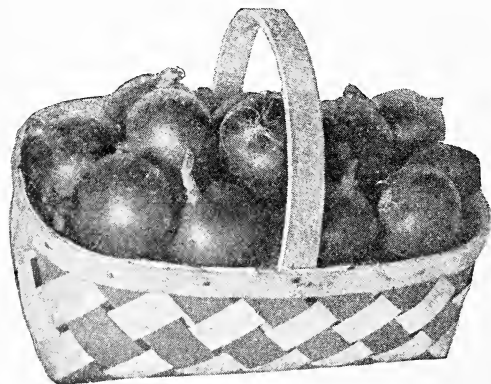
Pkt., 10c; oz., 15c; 4 ozs., 40c; lb., \$1.25

ONIONS

Cover the seed lightly. When the seedlings are 3 to 4 inches tall thin out according to the size of the variety. Keep the bed weeded and cultivate lightly during the growing season. When the bulbs have reached maturity the tops will bend down and the roots must be harvested. Store in a dry, frost-proof room, where fresh air circulates freely. One ounce for 250 feet of drill; 4 to 5 pounds per acre.

shipper. Flesh white and fine grained. Skin a deep purplish-red, smooth and glossy. This onion will produce a better crop on poor or upland soil than most varieties.

Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.25

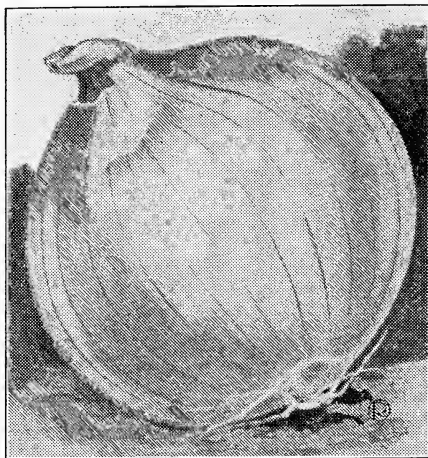


OREGON YELLOW DANVERS ONION

Oregon Yellow Danvers.—This variety is very extensively planted in the Northwest, particularly in Oregon. The largest crops of onions and the best keepers, bringing the highest prices in the Pacific Coast and Middle Western markets, are the Oregon Yellow Danvers. The bulbs are uniformly large, a full three-quarters globe shape, with small necks. It matures quite early, is the largest in size, most perfect in shape, the largest cropper and one of the best keepers, and as a market or table onion cannot be excelled. Our seed is grown especially for us and is unsurpassed. No onion grower can afford to plant anything inferior when such seeds can be obtained at the following prices:

Pkt., 10c; oz., 25c; 4 ozs., 75c; lb. \$2.50

Large Red Weathersfield.—The standard variety of the red onions. Of large size and rather flat, a heavy yielder and one of the best for keeping. A good



PRIZE TAKER

Prize Taker.—This onion has become a great favorite on account of its large size and great solidity. It is perfectly globe-shaped, with straw-colored skin; the necks are very small and the onions always ripen up hard. An excellent keeper, exceedingly fine, mild flavor and a very popular and profitable variety.

Pkt., 10c; oz., 25c; 4 ozs., 75c; lb., \$2.50

MORCROP WILL INCREASE YOUR YIELD

ONIONS (Continued)

Australian Brown.—An extra early, sure cropping variety, with long keeping qualities. A sweet, mild flavored onion, with crisp, white flesh, covered with a bright reddish-brown skin. Largely used for growing onion sets and equally good for market purposes.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00

Southport White Globe.—An enormous yielder and superb keeper; perfect globe-shaped, very large, clear white skin and considered one of the handsomest varieties grown. Planted extensively by gardeners for green onions.

Pkt., 10c; oz., 35c; ¼ lb., 90c; lb., \$2.75

White Portugal, or Silverskin.—The finest flavored of all the white-skinned onions. Quite early, half-globe shaped, a fine cropper; very firm and an excellent keeper. Excellent for bunching green, or for pickling, if grown close so as to hold the size down. A good all-around sort.

Pkt., 10c; oz., 25c; 4 ozs., 75c; lb., \$2.50

White Barletta—Queen.—An early white variety; prized for home gardens for pulling green, or for pickling. A quick grower, fine mild flavor, excellent quality.

Pkt., 10c; oz., 25c; 4 ozs., 75c; lb., \$2.50

Sweet Spanish.—A very large, mild, yellow, globe-shaped onion. One of the best for home garden; also an early market Spanish type.

Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$4.00

Bunching Onion.—The best for early small green onions.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50

Onions (White Lisbon).—A clear white bunching onion which has proven to be the best for the market garden trade. In appearance and taste it has been acclaimed as being far superior to all other white onions. The stems are strong, the tops quite tall, while the white meat has good length; very hardy.

Pkt., 10c; oz., 25c; 4 ozs., 75c; lb., \$2.75

ONION SETS

NOTE.—Onion sets subject to market changes; write for quantity price.

Bottom Onion Sets.—Small onions grown from seed that has been sown too thickly to attain a large size. The small onions (about ½ inch in diameter) thus obtained are planted out and are ready in a short time to pull as green onions for the table or bunched for the market. If left to stand they make ripe onions of the best quality, and come to maturity some 6 weeks earlier than a crop grown directly from the seed.

Per lb., 25c; 5 lbs., \$1.00. Postpaid

Egyptian, or Perennial Tree Onion.—When once set out, without having the slightest winter protection, these come up year after year. The bottoms divide, making several irregular shaped onions that are sweet and tender. The young sets grow on top of the stalks. We cannot supply these sets after March 1st.

Per lb., 25c, postpaid

Shallots.—Valuable for bunching or for an early crop. The smallest sets make fine bulbs of good size, while the larger ones produce a cluster of small to medium size bulbs. Light brown skin, mild, white flesh.

Per lb., 25c, postpaid.

OKRA or GUMBO

Improved Dwarf Green.—Very early, with long, green slender pods.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 95c

White Velvet.—The large pods are smooth or very slightly ribbed, remain tender a long time.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 95c

PARSNIP

Culture.—Sow as early in the spring as the weather will admit in drills 18 inches apart and ½-inch deep, in a rich, deep soil; thin out 3 to 6 inches apart in the rows. The quality of the roots is improved by leaving them in the ground over winter for spring use.

Guernsey.—The roots are medium long, with a broad shoulder, gradually tapering downward. The white skin is smooth and attractive. Guernsey is considered the best and most productive of the long parsnips. The fine-grained, tender, and sweet flesh makes it essentially a table variety, but it is also grown for stock feeding on account of the immense yield.

Pkt., 10c; oz., 15c; 4 ozs., 35c; lb., \$1.00. Postpaid.

Hollow Crown.—Well known popular variety, with long, tapering roots, very smooth and of the finest quality. Derives its name from a depression at top of crown or root; very fine table sort.

Pkt., 10c; oz., 15c; 4 ozs., 35c; lb., \$1.00. Postpaid.

PARSLEY



Pkt., 10c; oz., 15c; 4 ozs., 35c; lb., \$1.00. Postpaid.

Extra Curled Dwarf, or Emerald.—The moss-like leaves, of a handsome bright green color, are finely curled.

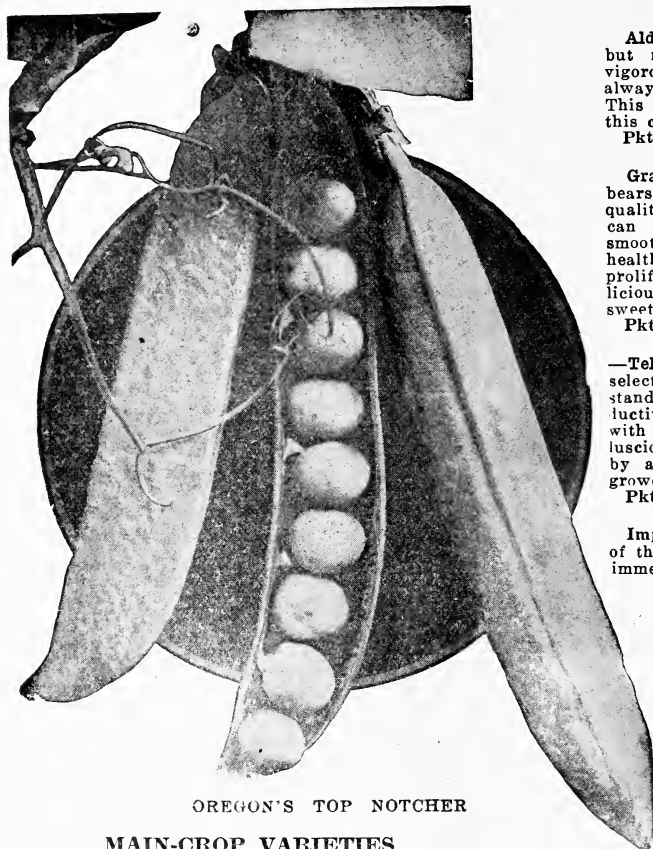
Pkt., 10c; oz., 15c; 4 ozs., 35c; lb., \$1.00. Postpaid.

Turnip-Rooted, or Hamburg.—The edible portion is the fleshy root, which resembles a small parsnip, and is esteemed for flavoring soups, stews, etc.

Pkt., 10c; oz., 15c; 4 ozs., 35c; lb., \$1.00. Postpaid.



YOU WILL GROW BETTER VEGETABLES WITH THE USE OF MORCROP



OREGON'S TOP NOTCHER

MAIN-CROP VARIETIES

Great Favorite with our Market Gardeners.

MAMMOTH PODDED PEAS

Oregon's Top Notcher.—This new Pea is by far the largest on the market. A strong sturdy, healthy grower, vines and pods are a rich dark green. The vines are enormously productive, being completely covered with immense long pods, well filled with from eight to eleven large peas of the richest flavor. This variety grows from four to six feet high and yields a heavy crop, and is far superior to all other sorts. We are sure our customers will agree with us after growing this new pea.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

Garden Peas are one of the most important crops, and we have spared no effort to select and improve the best strains of the most profitable and satisfactory varieties. These selected strains will give you the biggest yield and the handsomest, sweetest, best flavored Peas for early market or home garden. The varieties offered have proved by growing tests to be the best of their kind and class. Selected hand-picked.

GARDEN PEAS

Alderman.—A Pea similar to Telephone, but more prolific. The vine is extra vigorous and the pods are dark green and always well filled with fine, large Peas. This is the very finest and best Pea of this class.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

Gradus.—This early, wrinkled Pea bears pods of large size and combines quality with earliness. It is very hardy; can be planted fully as early as the smooth peas; growth vigorous and healthy; vines $2\frac{1}{2}$ feet in height; very prolific. The quality and flavor are delicious and the peas remain tender and sweet for a long time.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

Telephone.—Tall.—Our western-grown selection of this popular favorite and standard market variety is immensely productive, the extra large pods being filled with peas of the finest quality, the luscious sugary flavor not being excelled by any other variety. A strong, rapid grower, averaging 4 to 5 feet.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

Improved Stratagem.—One of the best of the large podded peas; the pods are of immense size filled with large, dark-green, wrinkled peas of the finest quality; vine of medium height, but very stocky, with very broad, light-green leaves, and bearing an abundance of large, handsome pods.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

Melting Sugar Edible Pod Pea.—The pods are used when half-grown and cooked in the same way as snap beans. The pods are very large, and when young are stringless, very tender and finely flavored. The plants grow four to five feet high.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.**WORLD'S RECORD**

An Excellent Early Wrinkled Variety

World's Record is an English variety which has proved to be perfectly adapted to the Northwest. Our seed has been grown in this locality for several seasons, and is thoroughly acclimated. The vines are semi-dwarf, growing about three feet high, and the yield, size and quality of the peas is wonderful considering its extreme earliness. The pods are large, dark green, of the Gradus type, and are filled with eight or ten large wrinkled peas, sweet and of fine flavor.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

Hundred Fold.—Similar to Laxtonian and Blue Bantam, with darker vines and pods, has become very popular with the market gardeners. It is an Ideal Pea for those who wish large pods, and we consider it one of the best. Vines grow from 18 inches to 2 feet.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

Market gardeners who buy peas in quantities should write us for prices, stating variety and amount wanted. Single pound prices only are prepaid. Postage extra in 10-lb. lots.

When better seeds are grown, Oregon Seed Store will grow them.

GREEN PEAS (Continued)



**OREGON
BEAUTY
EARLY
and
DWARF
Varieties**

Oregon Beauty.—An early dwarf wrinkled pea of superior merit. The vines are rugged and productive. Pods about 4 to 5 inches long, and filled with large, tender peas of delicious flavor. Grows to a height of about 15 to 18 inches. Especially recommended for the home garden and market gardener.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

Laxtonian.—A new early dwarf, robust, large podded pea of superior excellence; growth averaging 16 inches. The large pods well filled, holding 8 to 10 peas. "Laxtonian" is so highly recommended that you should give it a trial.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

Little Marvel.—Splendid new dwarf pea for home or market. The dwarf, bushy vines, averaging 15 inches, are loaded with firm square-ended pods $2\frac{1}{2}$ to 3 inches long, tightly filled with plump, luscious, deep green peas. "Little Marvel" is as early as "American Wonder," fully equals the superb quality of "Nott's Excelior," and far outyields these two popular sorts.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

American Wonder.—One of the most popular and best of the early wrinkled sorts. A great favorite for family use. Has stout, branching vines, covered with well-filled pods containing seven or eight large, exceedingly sweet, tender and well-flavored peas. Height 10 to 12 inches.

Premium Gem.—Our select strain of this splendid variety is one of the earliest and best of the dwarf garden peas. The vigorous, luxuriant vines average about 15 inches in height and are heavily loaded with well-filled pods of rich, fine-flavored sugary peas.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

Alaka, or Earliest of All.—A smooth, blue pea, of even, vigorous growth and extra early maturity. Vines 2 to 3 feet high, unbranched, bearing 4 to 7 long pods, which are filled with medium-sized, bright green peas of excellent flavor. A great favorite with our market gardeners for fall or early spring planting.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

Dwarf Gradus.—Produces more pods and larger pods than any other early dwarf pea. The flavor is exceptional; pods are slightly curved and contain an average of 8 to 9 peas of finest marrow flavor. Vines are stout, 18 to 24 inches high. A fine variety for home or market garden.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c.

Blue Bantam.—The vines measure about 15 inches high and produces freely the bluish-green pods. The pointed pods run 4 to $4\frac{1}{2}$ inches long and are always well filled with 8 to 10 large peas of finest flavor.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 30c; 5 lbs., \$1.25. Postpaid.

PEPPER

OREGON SWEET WONDER

Fruits dark green, smooth in surface, square in cross section and very large, usually about four inches across and four and a half to five inches in length.

In addition to the striking outward appearance, it has the thickest flesh of any pepper in cultivation. The flesh is usually one-fourth inch thick and a thickness of three-eighths inch in common.

It is about in season with other large fruited sorts, but produces marketable sized green peppers nearly as early as the earliest varieties. This will be found a very desirable sort for the home garden and an exceptionally profitable one for commercial growers, especially those who ship to distant markets.

Pkt., 15c; $\frac{1}{2}$ oz., 60c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50; lb., \$12.00

Chinese Giant.—Rich, deep green when immature and bright scarlet red when ripe. Flesh is thick, mild and sweet, exceptionally desirable for use in salads and also one of the best varieties for stuffing. Plants vigorous and very productive, peppers often five inches in diameter, almost square in shape, and divided into four sections. Our seed of this variety grown from especially selected stock.

Pkt., 10c; oz., 75c; $\frac{1}{4}$ lb., \$2.50; lb., 8.00. Postpaid.

Red Chili.—A rather small, bright-red variety, about 2 inches long and pointed. The pods are used in making Chili sauce, and very pungent and hot.

Pkt., 10c; oz., 80c; $\frac{1}{4}$ lb., \$2.70; lb., \$8.00

Long Red Cayenne.—A strong, pungent variety, having long, pointed fruit, which is bright scarlet when ripe. A well known and popular variety.

Pkt., 10c; oz., 80c; $\frac{1}{4}$ lb., \$2.70; lb., \$8.00

Harris Early Giant.—The earliest of the large peppers and exceedingly mild and sweet. It will mature ripe peppers two weeks ahead of Chinese Giant. It is ideal for those localities having short seasons and is also valuable for market where ripe, red peppers are in demand. It averages about $3\frac{1}{2}$ inches long and $2\frac{1}{2}$ inches thick.

Pkt., 15c; $\frac{1}{2}$ oz., 60c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00

PUMPKIN

Winter Luxury.—An enormously productive variety of medium size and superior keeping qualities. Of rounding shape, somewhat flattened; golden orange color with heavy netting. Rich, thick, golden flesh; sweet and tender. The best pumpkin for pies.

Pkt., 10c; oz., 15c; 4 oz., 35c; lb., \$1.00

Small Sugar.—The New England pie pumpkin Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00. Postpaid.

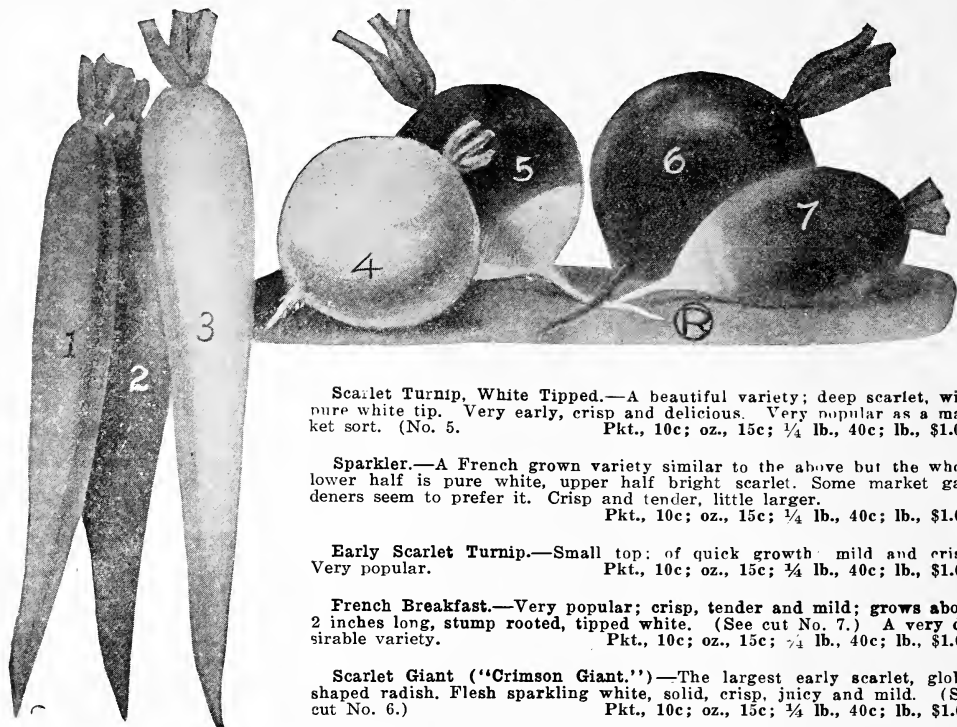
Small, bright orange color. Flesh deep yellow, fine quality. Matures early.

Pkt., 10c; oz., 15c; 4 oz., 35c; lb., \$1.00

Connecticut Field.—A fine, large, orange colored variety used for field culture and stock feeding. The skin is smooth and ribbed and the flesh is brittle and sweet.

"USE MORCROP" ON ALL VEGETABLES

RADISHES



Scarlet Turnip, White Tipped.—A beautiful variety; deep scarlet, with pure white tip. Very early, crisp and delicious. Very popular as a market sort. (No. 5.) Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

Sparkler.—A French grown variety similar to the above but the whole lower half is pure white, upper half bright scarlet. Some market gardeners seem to prefer it. Crisp and tender, little larger. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

Early Scarlet Turnip.—Small top; of quick growth mild and crisp. Very popular. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

French Breakfast.—Very popular; crisp, tender and mild; grows about 2 inches long, stump rooted, tipped white. (See cut No. 7.) A very desirable variety. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

Scarlet Giant ("Crimson Giant.")—The largest early scarlet, globe-shaped radish. Flesh sparkling white, solid, crisp, juicy and mild. (See cut No. 6.) Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

There are three distinct classes of radishes—spring radishes, summer radishes, and winter radishes. Every complete garden should include some of each class.

The spring radishes can be grown almost all the year around, and are important as a forcing crop during winter. They mature in the open in from 25 to 40 days, depending on the variety and weather. They develop best during the cool season. Light sandy soil, rich in organic matter, is essential to produce crisp and tender radishes. Plant as early in the spring as possible, and make succession planting every 10 days. Where the summers are hot, sow until the middle of May, then stop, but make three more sowings during August. Sow the seed thinly in shallow drills. One ounce is sufficient for 100 feet of drill; 8 to 10 pounds per acre sown in drills.

White Icicle.—It is not only crisp and tender when young, but retains these qualities until the roots attain large size. It is ready for use almost as quickly as the early turnip-shaped sort. (See cut No. 3.)

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

Long Bright Scarlet, White Tipped.—The brightest and handsomest long scarlet radish. Of excellent quality. (See cut No. 1.)

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

Early Snowball (Model White Box).—Early, clear white, solid, juicy, crisp, tender and unsurpassed in flavor. (See cut No. 4.)

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

Long Scarlet.—Grows perfectly straight and smooth, 6 to 7 inches in length; skin scarlet, very thin; the flesh crisp, brittle and of delightful flavor. (See cut No. 2.)

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

WINTER RADISHES

The merits of Winter Radishes are little appreciated. These grow to large size and keep well for winter and spring use. Sow seed in July and August. Early planting is not advisable.

California Mammoth White China Radish.—A very large winter radish; sometimes growing eighteen inches long. Pure white, very solid, crisp and tender. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00. Postpaid.

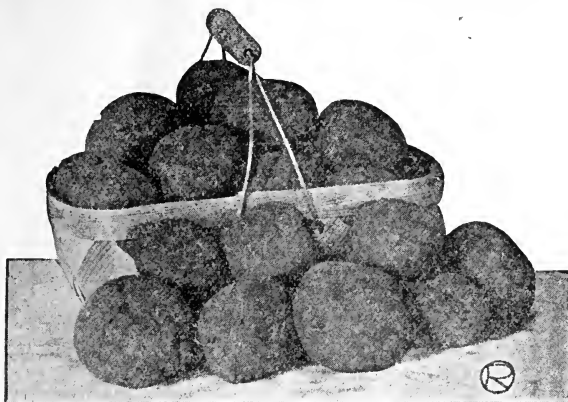
China Rose Winter Radish.—A winter radish growing four to five inches long. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00. Postpaid.

Round Black Spanish Radish.—The roots are round or top-shaped, three or four inches in diameter. The skin is black. The flesh is white. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00. Postpaid.

Long Black Spanish Radish.—One of the largest and hardest of winter radishes. The roots grow seven to nine inches long. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00. Postpaid.

Sakurajima Radish.—The mammoth radish of Japan, the largest in cultivation, often weighing twenty to thirty pounds. The flesh is very solid, firm and brittle. Can be eaten raw or cooked as a vegetable.

Pkt., 10c; oz., 15c; ¼ lb., 60c; lb., \$1.50. Postpaid.



POTATOES

TRUE AND PURE

We offer a few varieties of special merit that we recommend. We think it is folly to plant ordinary or common stock. Many gardeners insist on the best vegetable seeds, but plant any old kind of potatoes. Get a start of some of our select seed stock and you will be more than pleased with the results.

Remember.—Potato prices subject to market changes. Quantity prices on request. Write when ready to buy and state quantity wanted.

Improved Burbank.—The standard and most popular commercial variety. We offer improved re-selected, healthy stock, grown especially for seed purposes.

Prices—5 lbs., 40c; 10 lbs., 75c; quantity price on request.

EARLIEST OF ALL

“Earliest of All.”—Its quick growth and early maturity combined with its excellent cooking qualities, makes it very valuable. Summer drought does not affect it, for its growth is complete before it can be injured. Plant early to obtain large size. Ready for the table nine weeks from planting, and fully matured in 12 weeks. 5 lbs., 40c; 10 lbs., 75c. **Netted Gem.**—Also known as “Russet Burbank,” “Yakima Gem,” etc. A splendid main-crop variety, with a russet or netted skin; flesh white, excellent quality, shallow eyes. We offer healthy, heavy producing stock. Prices—5 lbs., 40c; 10 lbs., 75c; quantity price on request.

OTHER VARIETIES.—If you want any other kind, state variety and quantity wanted and we will quote prices on such market stock as is obtainable.

PRICES ON POTATOES ARE F. O. B. PORTLAND. ADD POSTAGE IF WANTED BY MAIL

RHUBARB or PIE PLANT

Per pkt., 10c; oz., 20c; 2 ozs., 35c; ¼ lb., 50c; lb., \$1.50

Rhubarb roots, by express, not prepaid, 10c each; \$1.00 per doz.; by mail, prepaid, 15c each; \$1.50 per doz. Write for special quotations on large quantities.

SALSIFY or VEGETABLE OYSTER

Sandwich Island Mammoth.—This grows uniformly to an extra large size, averaging fully double the size and weight of the roots of the old variety. The roots, notwithstanding their extra large size, are of very superior quality and delicate in flavor.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50. Postpaid.

SPINACH

King of Denmark Spinach.—This new spinach is a splendid kind for both the home garden and for market, for it stands from a week to two weeks longer before going to seed than any other kind.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c. Postpaid.

New Giant Smooth Leaf.—The largest and the most productive of any sort we have tried. Plants 20 inches across are not uncommon on good soil. The leaves are simply immense, of deep green, very heavy, brittle and tender. It is very slow to run to seed and is especially valuable for spring, summer and fall cutting.

Pkt., 10c; oz., 20c; ¼ lb., 30c; lb., 75c

New Zealand Spinach.—A distinct type of spinach, and unlike other spinach, it thrives during hot weather. The plant is very large and branching, and the seed should be sown in hills not less than two feet apart each way, three to four seeds in each hill.

Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., 95c

Thick Leaved Improved Spinach.—A medium

early rapid growing variety, forming large, thick, slightly crumpled, deep green leaves of good quality.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c

Prickly Winter Spinach.—A late, hardy variety, usually sown in fall for winter use. Very long standing. Leaves of medium size, thick and dark green.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c

Amsterdam Giant.—This variety is very popular and we have a fine strain of Holland Northwest grown seed. The leaves are broad and smooth and of medium deep green. It will stand more cold weather than any other sort we have tested, and is very popular for late fall plantings which are to remain over winter for early spring cutting.

Pkt., 10c; oz., 20c; ¼ lb., 30c; lb., 75c

Longstanding.—A comparatively late variety, but remaining a long time in condition for use. The plant is very large, with large, smooth, dark green leaves.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c. Postpaid

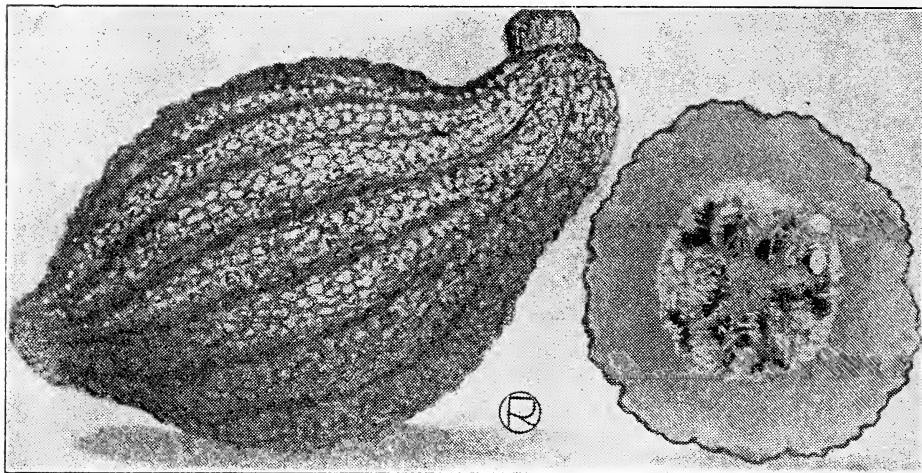
TOBACCO

Culture.—Practically same as cabbage.

Havana or Connecticut Seed Leaf.—Both good, hardy varieties for general planting here. Pkt., 10c; oz., 75c.

MARKET GARDENERS WRITE FOR QUANTITY PRICE

SQUASH



TRUE HUBBARD

The squash is one of the most nutritious and valuable of all garden vegetables. The summer varieties come to the table early in the season, while the winter sorts can be had in perfection from August until the summer varieties are again in condition. Few farmers appreciate the value of winter squash as food for stock. We think an acre of squash, costing no more to cultivate and much less to secure, will give usually as much food available for feeding stock as an acre of corn, and we strongly urge our readers to try a "patch" for this purpose.

Culture.—Squash plants are very tender and sensitive to cold, and planting must be delayed until warm weather. The general methods of culture are the same as those given for cucumbers and melons, but squash is less particular as to soil. The summer varieties should be planted 4 to 6 feet apart each way, and the winter sort 8 to 10. Three plants are sufficient for a hill. In gathering the winter sorts care should be taken not to bruise or break the stem from the squash as the slightest injury will increase the liability to decay.

SOMMER VARIETIES

New Squash Table Queen, "Des Moines."—We can truly say that the height of squash quality is still unknown to one who has not eaten half a Table Queen, baked and buttered. The enthusiasm of customers entitles it to the place among squashes accorded to "Golden Bantam" in the sweet corn. In size Table Queen equals a fair sized husked coconut, and a half, baked, serves one person amply. This avoids the waste often resulting from the use of larger varieties. The shell is unusually thin and it does not require over 20 minutes for baking or boiling. A good way to prepare it is to cut in half, place a lump of butter on one half, top with the other and then bake whole. This squash is ready before the Hubbards and yet stores equally well. The color is dark

green, changing to bright golden after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50

White Bush.—The best summer sort for the home garden or market; very productive and of good size.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25

Giant Summer Crookneck.—Our strain of this popular squash produces fruit nearly double the size of the old standard "Crookneck." The plants are healthy, husky and compact; they produce in quantity fruit that is heavily warted and true to type. The flesh is a rich golden yellow, the quality and flavor of which is the very best.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25

WINTER VARIETIES

Improved Hubbard.—The best seller and most popular variety on our list. Rind dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior. Long keeper.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25

Mammoth Chili.—The largest of all squashes, growing to an enormous size, often weighing over 200 pounds, while its rich, fine flavored flesh insures its value for all purposes. Its size makes it valuable for stock feeding.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25

Banana Squash.—Grows from 1 to 2 feet in length. Flesh firm and solid, of beautiful orange-yellow, and excellent quality. Rind or shell smooth and grayish-green color. Resists heat of the sun better than the Hubbard and because of its excellent flavor and splendid keeping qualities, remaining in good condition from one season to another, is already superseding that variety in many localities.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50

Golden Hubbard.—The same in size, shape and quality as the well known Hubbard Squash, except that it is bright red or golden color, and somewhat earlier. Good keeper.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25

Boston Marrow.—Skin yellowish, very thin; flesh dry and fine grained; of unsurpassed flavor.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00

Sibley, or Pike's Peak.—Shell smooth, thin and of a pale green color; the flesh is thick, solid, deep orange color; very dry, fine grained.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25

The Delicious.—For quality. A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruit varies in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.75

TOMATO

CULTURE—Sow early in hotbeds, and as soon as they have four leaves transplant into shallow boxes. Harden off, and set out as soon as danger of frost is past. An ounce of seed will produce 3000 to 4000 plants.

If blight appears use "Bordeaux," but it is better to use as a preventative before blight strikes the plant, and is a control measure for flea beetles, spraying the under side of foliage.

The newer types of hardy, prolific tomatoes are better adapted to the cool coast climate than the older sorts; splendid crops are now being grown where heretofore it was thought tomatoes would not thrive. A good plan is to try several varieties and find which is best suited to your special conditions.

The New Marglobe Tomato.—This new rust resisting variety developed by the United States Department of Agriculture is spoken of throughout the country as the finest tomato ever introduced, being particularly desirable in sections subject to tomato diseases. A scarlet variety ripening well up to the stem, of perfect globe shape and splendid quality. The vines are strong and vigorous and very productive. Ripens a few days later than Bonny's Best or early Jewell. The market gardeners consider this to be the best variety ever introduced and will bear until frost.

Pkt., 15c; ½ oz., 75c; 1 oz., \$1.25

"Burbank" Tomato.—The originator describes it as the early, smoothest, most productive and best early tomato, color bright crimson, thick, smooth and firm with few seeds. Unusually heavy and of the finest quality. Keeps well; a good shipper; a prolific, continuous bearer, has the unusual and remarkable feature of being easily peeled, the skin slipping readily from the rich, firm flesh. Resistant to wilt and other diseases.

Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$3.75

Chalk's Early Jewell.—Large, bright red, smooth, round fruits, colored evenly up to the stem; solid, almost seedless, fine flavor. Vines equal to or better than Earliana. We recommend an early Tomato for either market or home garden; it has given us satisfaction under the varying conditions of soil and climate in the Northwest.

Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$3.75

Beefsteak Tomato.—This is the largest of all bright red Tomatoes. In many ways it is similar to Ponderosa, but the color of the skin is a rich scarlet red. The mammoth fruits are more or less ribbed. An enormously productive variety. Pkt., 15c; ½ oz., 40c; oz., 65c; 4 ozs., \$1.95; ½ lb., \$3.55; lb., \$6.50.

Oregon's Favorite (Market Gardeners' Special).—Our Special Strain of this first early tomato is not only earlier than the ordinary Earliana, but the fruit is perfectly smooth, very solid and ripens bright deep scarlet right up to the stem. The vines are vigorous growing and very productive. Growers find its extra early fruit brings very good prices on the market. Pkt., 15c; oz., 75c; ¼ lb., \$2.20; lb., \$8.50

Bonny Best.—Has given splendid results wherever tried and being early, hardy, very productive, recommended for outside planting wherever tomatoes can be grown. A good forcing variety. Fruit smooth, round, slightly flattened, solid, a bright scarlet. Quality excellent.

Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$3.75

Spark's Earliana.—One of the earliest tomatoes. Large, uniform size and beautiful red color. Ripens thoroughly all over, the stem and coloring up perfectly. Almost seedless and solid. A vigorous grower, heavy bearer, continuing until frost. Succeeds everywhere, and especially recommended for this Coast.

Ground Cherry or Husk Tomato.—Grows to great perfection under ordinary culture, yielding abundantly; very much prized for preserving; should be in every garden.

Pkt., 10c; oz., 50c; ¼ lb., \$1.75

VEGETABLE PLANTS

We grow large quantities of vegetable plants, and can supply all the kinds listed below in their proper season, in most any quantity. We have made arrangements this year so that we can supply all vegetable plants in two grades. If you want a quantity of plants write us early.

Transplanted plants are much stronger and better rooted, and are well worth the price especially in the early part of the season. We can supply most any of the leading sorts. No plants sent C. O. D.

All Prices are Subject to Crop Conditions and Market Changes

Cabbage.—Transplanted and "pulled" plants in all standard varieties. Early and late at seasonable times.

	Postpaid	Not Prep'd
Doz.	100	100 1000
Transplanted	\$0.25 \$1.25	\$1.00 \$8.00
Not transplanted .....	.15 1.00	.75 6.00

Kale.—When you order Kale be sure to state whether you want the Garden Kale or the "Cow Kale."

	Doz.	100	100	1000
Thousand Head or "Cow Kale"	\$0.20	\$1.25	\$1.00	\$6.00
Garden or Curley Kale.....	.25	1.50	1.25	10.00

Special prices on large lots in season.

Broccoli.—Our famous "St. Valentine" Broccoli should be in every garden. Broccoli is a winter Cauliflower, very hardy and of the finest quality. "St. Valentine" is the best variety; plants can be set after June and are ready to use in March.

	Postpaid	Not Prep'd
Doz.	100	100 1000
Broccoli	\$0.80 \$1.50	\$1.25 \$12.00

Write for prices on large lots. We will grow them to your order.

Sweet Potato Plants.—Sweet Potatoes can be successfully grown in most sections. The plants should be set out after the ground is warm. Rich, sandy bottom land is best, but any good garden soil will give good returns.

	Postpaid	Not Prepaid
For seasonable	Doz. 100	Doz. 100 1000
delivery	\$0.50 \$2.00	\$0.35 \$1.75 \$12.00

Cauliflower.—Cauliflower seed is scarce and high in some varieties and plant prices subject to change.

	Prepaid	Not Prep'd
Doz.	100	100 1000
Early varieties, transplanted ..	\$0.30	\$1.75 \$12.00
Not transplanted		1.25 10.00

Late kinds, transplanted..... Write for prices

Late kinds, not transplanted.. Write for prices

Celery.—Fine, healthy plants in early winter varieties furnished in season or grown to order.

To succeed with celery keep the plants growing constantly while young—if they "stand still" they are liable to run up to seed later.

	Postpaid	Not Prep'd
Doz.	100	100 1000
Transplanted	\$0.30	\$1.25 \$1.00 \$8.50
Not transplanted.....		Write for Prices

Tomatoes.—Tomato plants should not be set out before the weather is settled and ground warm; unless they are protected from frost.

If you do not know what variety is best, tell us, we will give you the right one.

	Postpaid	Not Prep'd
Doz.	100	100 1000
Transplanted	\$0.30 \$1.50	\$1.25 \$10.00

Brussels Sprouts.—These are very hardy and should be grown the same as Kale or Broccoli.

	Postpaid	Not Prep'd
Doz.	100	100 1000
Brussels Sprouts	\$0.25	\$1.50 \$1.25 \$10.00

FOR EARLY OUTDOOR PLANTING USE, GERMACO HOTCAPS

TURNIPS

Culture—For early use sow the small sorts as soon as the ground can be worked in the spring, in drills 14 inches apart. As the seed is very fine, it should be covered but slightly, except in very dry weather. For fall and winter use, sow the early kinds during July, August and September.

EARLY GARDEN TURNIPS

Early Purple Milan.—This variety is ready for the table sooner after planting than any other yet introduced. Top small, erect, strap-leaved; bulb a deep purple above, white underneath; flesh white, firm and delicate.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25

Early White Milan.—Same as Purple Top Milan, but pure white, sweet and tender; best early market variety.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25

Purple Top Strap Leaf.—A leading white-fleshed variety, and one of the best, either for the family, market garden or field crop. It is medium size, and produces a large crop. The flesh is firm but tender, and of a superior rich buttery flavor. A good keeper.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c

Early White Flat Dutch.—One of the very best and most universally grown. Small, erect top, round, flat; flesh white, firm, but very tender and sweet. Of quick growth. It is soon ready for the table and keeps well.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c

Early Snowball.—Early round turnip, maturing in seven weeks. Is of perfect form, snowy whiteness, crisp, solid, fine flavor.

Golden Ball.—Undoubtedly one of the most delicately and sweetest yellow-fleshed turnips yet introduced. Not of large size, but firm, hard and most excellent flavor. Keeps well and is superior as a table variety. It is extensively used by market gardeners.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c

MAIN CROP TURNIPS

Cowhorn.—Sometimes called Long White. Slightly crooked. Pure white except a little shade of green at the top. Grows half out of the ground and is of very rapid growth. Is delicate and well flavored. Has proved itself one of the best stock turnips ever introduced in Oregon; an immense yielder.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c

Pomeranian White Globe.—One of the most productive kinds, and in good, rich soil, roots will frequently grow to 12 pounds in weight. It is of perfect globe shape; skin white and smooth; leaves dark green and of strong growth.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c

Purple Top White Globe.—A large, globe-shaped variety; purple above ground. It is handsome and of excellent quality; recommended both for family and garden and field crop.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c

TURNIPS—Ruta

For feeding stock in fall and winter there is nothing superior to Turnips or Ruta Bagas, as they are much liked by all kinds of stock and serve to keep them in good condition. A profitable crop.

Improved American Purple Top.—The leading variety; large, immense yielder. Superior in every way.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c

Large White Norfolk.—A white variety, usually attaining a very large size. Extensively grown for stock feeding. The leaves are also used for greens. It is hardy and may remain in the ground all winter. Yields very large crop.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c

White Egg.—Is perfectly smooth, of a pure, clear white, growing half out of the ground, and at times to the size of a Ruta Baga, being a very choice kind for table use; of excellent flavor; sweet and mild. Pulls clean from the ground, thin, snow-white skin.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c

Yellow Aberdeen.—Round, medium size; light yellow. Produces a large crop; is hardy and keeps well; flesh very firm but tender and sweet. A great favorite with the dairymen.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c

Baga or Swede

Monarch or Tankard.—Very solid, fine grained, of fine flavor; grows well out of the ground and yields large crops.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c

White Sweet Russian.—Excellent for table or stock. Very large size; white, solid, sweet and rich; keeps well.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 80c

SPECIAL COLLECTION OF VEGETABLE SEEDS

\$1.00

Collection

Packet each Beans, Beet, Carrot, Sweet Corn, Lettuce, Onions, Parsley, Parsnip, Garden Peas, Pumpkin, Radish, Spinach, Tomato, Turnip, Sweet Peas.

15 Packets in All.....

\$1.00

50c

Collection

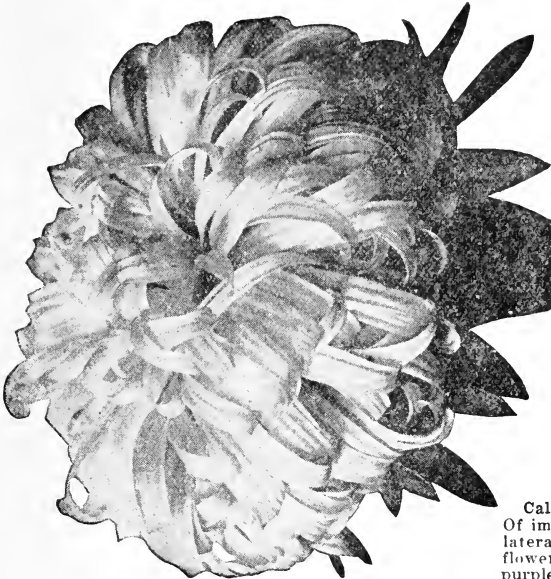
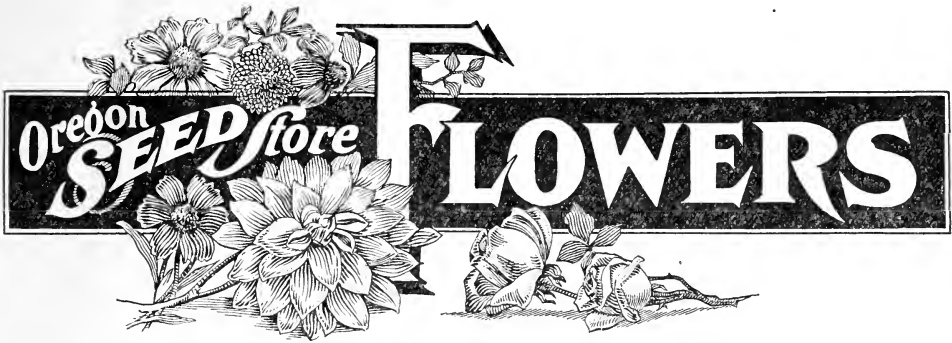
BEANS—Burpee's Stringless. BEETS—Dark Red. CARROTS—Half Long. GARDEN PEAS—Oregon Beauty. LETTUCE—New York Head. RADISH—Scarlet Turnip. SPINACH—Improved Thick Leaf.

7 Packets in All

50c

NOTE—The packets in the above Collection are regular FULL-SIZE PACKETS of our High-grade Seeds as listed in the body of our catalog. The saving on these Collections is possible for the reason that same are packed in advance of the shipping season.

THE ABOVE PRICES POSTPAID



Improved Giant Crego.—The most beautiful and desirable aster we have ever seen; very hardy, free-flowering and one of the best for general planting; the plant is a strong, healthy grower, and will produce 12 to 15 long-stemmed flowers of the most graceful and pleasing style (see cut). With ordinary care you can grow flowers measuring 5 to 6 inches across, most of the handsome large aster blooms you see in the Portland flower stores are of this kind. Pure white, shell pink, rose pink, purple, crimson, lavender or mixed. Pkt., 10c; ¼ oz., 35c

Special—One packet each of the six colors only 50c.

ALYSSUM

One of the most popular hardy annuals, used especially for edging and also valuable for cutting on account of the fragrance of flowers.

Sweet—Pure white; 6 inches; June to November. Pkt., 10c; oz., 50c

Little Gem.—The dwarfest and best for design bedding; plants very compact and bushy, and grow only 3 to 4 inches high. Pkt., 10c; ¼ oz., 35c

Lilac Queen.—Dwarf, compact, lilac flowers. Pkt., 10c; ¼ oz., 35c

Procumbens (Carpet of Snow).—A new and very select strain, carefully selected. Plants very spreading and only about 2 inches tall. Blooms are massed, completely hiding foliage. Pkt., 15c; ¼ oz., 50c

Saxatile Compactum (Gold Dust)—(Hardy perennial; yellow flowers; April to June; height 9 to 12 inches. Pkt., 10c

ASTERS

One of the easiest and most satisfactory summer and fall flowers to grow. We take the utmost pains to select seeds from the most perfect flowers only, and wish to assure our patrons that our strains are the superiority of perfection.

HEART OF FRANCE

Heart of France opens red as the ruby, and retains its remarkable beauty to the very end. Flowers large and full. Plants of branching type and very robust habit. Stems long.

Pkt., 15c; ½-oz., 50c

California Giants.—A new variety of real merit. Of immense size and beauty, long, sturdy stems, non-lateral type. Resemble the "Crego" in type of flower. Peach blossom, light blue, deep rose, dark purple or finest mixed. Pkt., 15c; ¼ oz., 75c

Hardy Perennial Asters Michaelmas Daisies.—One of the showiest of our late-flowering perennials, giving a wealth of bloom during September and October. They grow freely in any soil. If sown early they will flower the first season; 3 to 4 feet. Excellent for cutting. They come only in lavender and dark shades.

Large Flowering Varieties.—Seed saved from the choicest flowers only. Pkt., 10c

Acrolinium.—Hardy annual, with everlasting flowers; good for cutting; flowers double and dry nicely if cut in bud; 1 foot, July to October; mixed, double, all colors. Pkt., 10c; ¼ oz., 25c

AGERATUM

Half-hardy annuals, especially well adapted to edge large beds of geraniums, salvia coleus or cannas, flower continuous through the summer; 15 inches.

Ageratum Mexicanum (15 inches).—Blue, sky blue. Pkt., 10c; ¼ oz., 50c

Album.—Pure white. Pkt., 10c; ¼ oz., 50c

Finest Mixed.—All colors. Pkt., 10c; ¼ oz., 40c

AGROSTEMMA

A free flowering hardy perennial of easy culture, producing the first season crimson flowers resembling a single pink. The foliage is silvery white; height, 2 feet.

Ageratum Saxatile Pkt 10c

Aster Plants and all popular annual bedding plants supplied in season.

AMARANTHUS

Caudatus (Love-Lies-Bleeding).—Hardy annual; ornamental foliage plant; fine for bedding; green foliage with long, drooping crimson racemes; 2 feet. Pkt., 10c; $\frac{1}{4}$ oz., 35c

Tricolor (Joseph's Coat).—Ornamental; for foliage only; red, yellow and green. Pkt., 10c; $\frac{1}{8}$ oz., 50c

ANTIRRHINUM (Snapdragon)

Among the most popular bedding plants; the richness and diversity of their colors, their great freedom and protracted blossoming season giving them great value for garden color masses, as well as for cutting. Bloom from July to frost. Half hardy perennials, $1\frac{1}{2}$ to 3 feet.

Katherine Morse.—A new color and form of flower in snapdragons. The color is soft tones of old rose and yellow. The tube is soft old rose and the face of flower yellow suffused with old rose. The top of the flower is beautifully waved. The flowers are wider than they are tall and without the face usually showing on lower petal. The plant bears a profusion of large spikes. Pkt., 15c

Black Prince.—An even wine-maroon color. Pkt., 10c

Silver Pink.—Large flowered; tall; pink. Pkt., 10c

Golden Queen.—Rich yellow. Pkt., 10c

Canary Bird.—Light yellow; 15 inches. Pkt., 10c

Snowflake.—Pure white, yellow tube. Pkt., 10c

Nelrose.—Salmon pink. Pkt., 10c

Dwarf Mixed.— Pkt., 10c

Special Mixed.— Pkt., 10c

ARABIS (Rock Cress)

Alpina.—Hardy perennial; pure white flowers in close head; excellent for edging rockwork or dry situations; 6 inches; April to June.

Pkt., 10c; $\frac{1}{8}$ oz., 50c

ANEMONE (Wind Flower)

Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.

St. Bridg.—Double and semi-double flowers in a wonderful array of colors; perennial. 1 foot. Pkt., 15c

ASPARAGUS

Plumosus Nanus.—A graceful pot plant for either house or conservatory (see illustration under Fern Plants); very finely cut, delicate lace-like foliage.

Pkt., 25c; 100 seeds \$1.00

Sprengeri.—Drooping foliage; adapted for hanging baskets or cutting. Pkt., 10c; 100 seeds \$1.00

ANCHUSA (P)—Italica—Dropmore

A splendid, free blooming plant for hardy borders, growing to a height of about 5 feet. Flowers are of beautiful gentian blue color. Seeds should be sown in sheltered place outdoors and transplanted when large enough to handle. Should be 2 to 3 feet apart.

Pkt., 15c; $\frac{1}{2}$ oz., 95c

AQUILEGIA (Columbine)

Hardy perennials; are most elegant plants and invaluable for cutting or as hardy border flowers; beautiful and graceful; June to September; 2 to 3 feet. (See cut.)

Long Spurred.—Superb mixture of all the most desirable shades. Pkt., 15c; $\frac{1}{8}$ oz., \$1.00

Single.—Finest mixed. Pkt., 10c; $\frac{1}{4}$ oz., 60c

Double.—Finest mixed. Pkt., 10c; $\frac{1}{4}$ oz., 60c

Chrysantha.—Golden yellow.

Pkt., 15c; $\frac{1}{8}$ oz., \$1.00

Coerulea.—Violet blue and white.

Pkt., 15c; $\frac{1}{8}$ oz., 75c

ARMERIA (Thrift Sea Pink)

Grand plants for crevices of wall and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea coast. June-July

Lauchena.—Six-inch crimson flowers, deep green tufty foliage. Seeds, pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

BACHELORS BUTTON (Centaurea Cyanus or Corn Flower)

A hardy, annual, easily cultivated. Produces handsome flowers of a great variety of rich colors

borne on tall, branching stems, with but little foliage. Striking and handsome. Sow seed in open ground early and transplant; 1 to 2 feet tall.

Fine Single Mixed.— Pkt., 10c

Fine Double Mixed.— Pkt., 10c

Single Blue.— Pkt., 10c

Double Blue Florist Strain.— Pkt., 10c

Double Pink Florist Strain.— Pkt., 10c

BALLON VINE

A rapid growing climber. Blossoms very small and white. Light, graceful foliage. Bears curiously inflated seed pods. Sow seed where it is to remain. Succeeds best in light warm soil; 10 to 12 feet tall. Pkt., 10c; oz., 35c

BALSAM ("Lady Slipper")

Handsome plants, producing masses of various colored flowers, half hardy. Curious seed pods which, when ripe, will explode when touched. If sown in May should bloom from July until frost; 1 to $1\frac{1}{2}$ feet tall.

Double Camellia Flowered.—Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 30c

BLUE LACE FLOWER (Didiscus)

A money-maker for florists, and a most satisfactory annual in the home garden for cutting. Plants grow about 18 inches in height, and are covered with clusters of tiny petaled flowers, giving the effect of dainty lace. The color is an exquisite light blue.

Pkt., 15c; $\frac{1}{4}$ oz., 65c

CANTERBURY BELLS (G) (Campanula)

Very ornamental garden plants, growing 2½ feet high, producing large, nodding and charming bell-shaped flowers of many exquisite shades; hardy perennial. Sow seeds in May. Keep seedlings well watered and transplanted to permanent location in July or August. Give rich soil and plenty of room.

Medium Single.—Blue, rose, white or mixed. Pkt., 10c

Calycanthema (Cup and Saucer).—White, pink, light blue or mixed. Pkt., 10c

Persicifolia (P).—Very fine, blooms in June. Blue or white. Pkt., 10c

Pyramidalis (P).—Stately, hardy plant for pot culture or garden. Blue. Pkt., 10c

CANDYTUFT (Iberis)

One of the most highly prized annuals for beds or masses, very useful for cutting. For early blooms sow indoors, transplanting to garden when 2 to 3 inches high. Sowings every two weeks in the open will flower from July until frost. Grows 1 to $1\frac{1}{2}$ feet.

Umbellata Type.—Carmine, flesh pink, rose cardinal, crimson, lavender, white and mixed.

Pkt., 10c; oz., 65c

Coronaria.—Giant white hyacinth flowered. Pkt., 10c; $\frac{1}{4}$ oz., 30c

CALENDULA (Pot Marigold)

The well-known Pot Marigold, valued by Europeans for flavoring soups and stews. Flowers are dried in fall and kept in paper bags for use. In mild climates this plant will bloom nearly all the year around. Colors range through yellow, orange and gold; 1 to 2 feet tall. Plant in early spring in open ground.

The Ball.—Within the last few years the calendula or pot marigold has taken a new lease on life and is now not only being grown as a garden annual but also it is successfully forced under glass for cut flower. One of our florist friends has made a selection out of the Orange King and given it his name and we were joint introducers with him. It has fine stems, immense double flower of a brilliant glisteny orange. A great favorite on the Chicago cut flower market. Pkt., 25c

Lemon Queen.—A select strain, large double flowers, sunflower yellow. Pkt., 10c; $\frac{1}{8}$ oz., 25c

Orange King (Grandiflora).—An excellent strain; large, double flowers, rich dark orange.

Pkt., 10c; $\frac{1}{8}$ oz., 35c

CARDINAL CLIMBER

Considered the most beautiful and brilliant annual climber. A strong and rapid grower, with fern-like foliage literally covered with a blaze of circular cardinal red flowers from midsummer until frost. Annual. Pkt., 15c; $\frac{1}{4}$ oz., 95c

CARNATION (P) (Dianthus Caryophyllus)

Carnations are tender perennials, being easily winter killed. Splendid for cut flowers, deliciously fragrant. Colors pink, white and red. Sow seeds indoors in March. Transplant seedlings to other boxes when 1 inch high. Keep them growing well until soil is warm, then transfer to open garden. Height, 1 to 1½ feet. Fine plants in season. See Plant Department.

Chabaud Everblooming.—Extra choice double mixed. Flowers in 5 to 6 months from sowing. Pkt., 15c

Double Grenadin.—Comes into bloom very early and the charming, double, scarlet flowers are very valuable for forming bouquets. Red, white, yellow. Double Mixed. Pkt., 15c

Margaret.—Finest double mixed. Bloom in four months from seed. Pkt., 10c
Giant, or Malmaison.—Mixed. Pkt., 15c

Double Dwarf Vienna.—Mixed. Large flowered and comes into bloom early, producing flowers of many colors and beautiful markings; a large proportion double. Pkt., 10c

CASTOR BEAN (Ricinus)

Tropical appearing foliage plant. Highly ornamental, of stately growth, large leaves of bronze or glossy green. Should not be planted until soil is warm. Grows 3 to 5 feet tall.

Sanguineus.—Brilliant scarlet stems and fruit. Pkt., 10c

Zanbariensis.—Surpasses all in size and beauty of flowers. Mixed. Pkt., 10c
Mixed.—Best varieties. Pkt., 10c

CELOSIA CRISTATA (Cockscomb)

Very attractive and showy, producing massive heads of deeply colored flowers. Colors, red, purple and yellow. Sow very thinly in boxes indoors, transplanting to other boxes or thimble until little combs appear. Grows 9 to 12 inches tall.

Cockscomb Tall Mixed.— Pkt., 10c
Dwarf Empress.— Pkt., 10c
Dwarf Fine Mixed.— Pkt., 10c

CELOSIA PLUMOSA (Feathered)

Large plummy heads. For pots or open ground. Keeps well when cut. Grows 1 to 2 feet tall.

Finest Mixed.— Pkt., 10c; oz., \$1.00
Childsii (Chinese Wool Flower).—A unique form of the feathered cockscomb, growing 2 to 3 feet high, each branch terminated with a large head of rich crimson flowers that look as if made out of silky wool. Effective in beds and borders. Also valuable for cutting, as they can be dried, retaining their bright colors for weeks. Pkt., 15c; ¼ oz., 75c

CENTAUREA

Sweet scented flowers on long, strong stems. Will last several days when cut. Sow where plants are to remain, thinning to 12 inches apart. Grows 1 to 3 feet tall.

Cyanus Double.—Blue, pink shades. Pkt., 10c
Cyanus.—Double; blue, pink shades. Pkt., 10c
White.—Mixed. Pkt., 10c
Single.—Mixed. Pkt., 10c
Imperialis (Giant).—White, purple, rose, deep lavender, and mixed. Pkt., 10c
Suaveolens (Yellow Sweet Sultan).— Pkt., 10c
Moschata.—Mixed. Pkt., 10c
Canardissima (Dusty Miller).— Pkt., 10c

CHRYSANthemum

These are very showy flowers of easiest cultivation, flowering from July to frost; excellent for cutting; height, 2 feet.

Single Annual.—Finest mixed Pkt., 10c
Double Annual.—Finest mixed. Pkt., 10c

CINERARIA (B)

Magnificent and indispensable flowering plants for the window garden. The flowers of white, blue, violet, and crimson shades, covering the plant with

a sheet of bloom. Should be sown under glass in very fine soil.

Hybrida.—Grandiflora. Choicest mixed. Pot plant. Pkt., 25c

CANARY BIRD VINE

A rapidly-growing, summer-climbing annual, 10 to 15 feet high; it will cover trellis work in the most graceful manner, producing hundreds of pretty winged, bright yellow flowers.

Pkt., 10c

CLARKIA

Hardy annual of easy growth, produces a fine effect massed in beds, bright and attractive. Fine for cutting. Does well in shade. Sow early in open ground. Grows 1 to 2 feet tall.

ELEGANS DOUBLE

Chamois.—With touch of pink. Pkt., 10c
Scarlet Queen.— Pkt., 10c
Salmon Queen.— Pkt., 10c
White.— Pkt., 10c
Fine Mixed.— Pkt., 10c

CLEOME

A splendid plant for large beds or shrubbery, border. Of branching habit, each branch producing a large head of attractive flowers. Sow seed in open ground as soon as weather is warm and settled. Height, 3½ feet. Fine for bees. Mixed. Pkt., 10c; oz., 65c

COBAEA SCANDENS (Plants in Season)

A handsome, rapid growing, climbing plant, having large, bell shaped flowers, beautiful foliage and peculiarly delicate and curious tendrils. Seeds should be planted on edge in shallow boxes of soft soil, covering with glass until seedlings appear. Transplant about May.

Purple.— Pkt., 10c
White.— Pkt., 10c

COIX LACHRYMAE (Job's Tears)

A broad-leaved, ornamental grass, having large, tear-shaped, hard, shining, pearl-gray seeds. Plant in prepared seed bed in open, transplant. Oz., 10c

COLUMBINE (P) (Aquilegia)

Universal favorite for hardy borders and beds, for no other plant has so airy a grace nor is more generous of its blooms or more effectively adapted for cut flowers.

Single Mixed.— Pkt., 15c
Double Mixed.— Pkt., 15c
Long Spurred Varieties.— Pkt., 25c
Skinneri.—Scarlet, tipped with white. Pkt., 25c

COREOPSIS (P) (Lanceolata)

Large, showy, bright yellow flowers produced in great abundance from June until frost; fine for cut flowers. Sow seeds indoors very early, transplanting to open when soil is warm. Height, 1 to 2 feet. Pkt., 10c

CYPRESS VINE (Ipomoea Quamoclit)

Climber with rapid growth. Has delicate fern-like foliage and great numbers of star-shaped blossoms with long tubes. Soak seeds over night in warm water, then sow where vine is to grow. Does best in warm, sunny location. Grows 10 to 15 feet. White, scarlet or mixed. Pkt., 10c

DAHLIA (P)

A magnificent, fall-blooming tuberous-rooted plant. Sow seeds in boxes indoors very early, transplanting to open when danger from frost is past. Will bloom first season. Tuber of the best ones may be saved for following season.

Double Mixed.— Pkt., 15c
Single Mixed.— Pkt., 10c
Cactus.—Flowers odd and fantastic in shape; all colors. Pkt., 15c
Finest Mixed.— Pkt., 15c

COSMOS

Beautiful autumn blooming plants producing thousands of artistic flowers in pure white, pink, and crimson shades, furnishing an abundance of cut blooms for summer and fall decorations. In this climate the late flowering types do not, as a rule, bloom much before the early frosts, hence we list only the early flowering types, which by careful

selection now have flowers as large as the late flowering kind. Seed sown in the open ground in April should produce plants covered with blooms in July, or six weeks to two months earlier than the late flowering. Plant not less than 18 inches apart in rows or in masses in beds. Pinching out tops when plants are a foot high make them bushy and sturdy.

- Extra Early Mammoth Flowering.—Crimson, pink, white. Pkt., 10c
 Finest Mixed.— Pkt., 10c
 Extra Early Double Crested.— Pkt., 10c
 Crimson King.— Pkt., 10c
 Pink Beauty.— Pkt., 10c
 White Queen.— Pkt., 10c
 Klondyke.—Blooms very early and continuously; 3 to 4 feet high; flowers large, orange, borne on long stems. Pkt., 10c
 Late Flowering Double.—Mixed. Pkt., 10c

DAISY (P) (Bellis Perennis)

Popular low-growing plant bearing beautiful flowers. Hardy perennial. Sow seeds in boxes about August and transplant to cold frame or some location where they may be protected the first winter. Plant in permanent location early in spring. Height, 6 inches.

- Extra Double.—Mixed. Pkt., 10c
 Longfellow.—Double, dark red. Pkt., 15c
 Giant Double Montrosa.—Dark red, white, rose-pink, or mixed. Pkt., 25c
 Double Quilled.—Rosy pink. Pkt., 25c
 Shasta Alaska.—Very hardy; profuse bloomers; flowers very large and borne on long stems, single; petals pure glistening white, dark center. Pkt., 15c

DATURA

Large, strong-growing plants, trumpet-shaped flowers, white, sometimes tinted with blue. Roots can be preserved like dahlias. Sow seeds in sheltered bed in open and transplant when 2 to 3 inches high. Give plenty of room and rich soil. Height, 2 to 3 feet.

- Fastuosa.—Double Mixed. Pkt., 10c
 Cornucopia.—Very fragrant. Pkt., 15c

DELPHINIUM (P) (Larkspur)

Profuse blooming plants, their tall spikes of many colored flowers produce a striking effect when planted in groups. Sow seeds in boxes indoors in early spring, transplanting to other flat when second leaf appears. When soil is warm, set in open ground 6 to 8 inches apart, resetting the next spring, giving rich soil and plenty of room. As a cut flower this is one of the best. Height, 3 to 6 feet.

Wrexham Strain.—A wonderful long-spiked, large flowered type of Hardy Larkspur, often referred to as Hollyhock strain because the stately spikes with their large double blooms closely set together form a spike not unlike those of Hollyhocks. Pkt., 50c

Belladonna.—Very free and continuous bloomer; delicate and beautiful; clear light blue, large flowers; 4 feet. Pkt., 10c

Bellamosum.—This is a rich, deep blue form of the popular light blue Belladonna, having the same free-blooming and other good qualities. Pkt., 10c

Cardinale.—"Scarlet Larkspur," a native California species with long spikes of scarlet flowers. Pkt., 25c

Vandertilt Hybrids.—A Californian novelty of charming beauty. Immense flower stalks with great heads of bloom tapering to the tip. Nearly all flowers open at once and exhibit the greatest combination of colors known. Pkt., 25c

Vaughan's Gold Medal Hybrids.—This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Pkt., 10c

DIGITALIS (B) (Fox Glove)

A tall growing biennial with large leaves and spikes of varicolored and spotted flowers. Fine for borders or background. Sow seeds in prepared seed

bed in May. Keep seedlings well watered and transplant to permanent location in July or August. Give rich soil and plenty of room. Height, 3 to 6 feet.

- Gloxiniflora.—Mixed. Pkt., 10c

DIMORPHOTHECA AURANTIACA (Orange African Daisy)

Extremely showy annual with bushy plants 12 to 15 inches high. Flowers are 2½ inches across, of a unique rich glossy orange gold, with dark disc and halo. Presenting a magnificent sight when in full bloom. Pkt., 10c

EUPHORBIA

Branching, bushy plants with smooth glossy leaves of various colors. Suitable for beds or borders. Sow seeds in open ground, transplanting when few inches high. Give plenty of room. Good foliage plant. Height, 2 to 3 feet.

- Variegata (Snow on Mountain).— Pkt., 10c
 Heterophyllia.—Painted leaf. Annual poinsettia; 3 feet. Pkt., 10c

FORGET-ME-NOT (P) (Myosotis)

Beautiful spring favorites of easy growth, bearing clusters of lovely, small blue flowers. They can be left in the open ground except in very cold latitudes. Fine for borders and shady situations. Sow seeds in box or prepared bed in the open. Height, 1 foot.

- Alpestris.—Of trailing habit, with pretty flowers. Blue or mixed. Pkt., 10c
 Victoria.—Flowers large, bright azure blue; fine for borders. Pkt., 10c
 Semperflorens.—Dwarf; continuous bloomer; blue. Pkt., 15c

FOUR O'CLOCK (Mirabilis Jalapa)

Marvel of Peru.—Easy culture, bearing a profusion of bright flowers of various shades. Flowers open at 4 o'clock, close in morning. Sow seeds early in the open and transplant. Grows 2 to 3 feet high. Choice mixed. Pkt., 10c

GAILLARDIA (Blanket Flower)

Very showy garden plant, with brilliant flowers; free blooming from early summer until autumn; especially effective in masses. Sow seeds early where plants are to bloom. Colors crimson, brown and orange. Splendid cut flower. Height, 1 to 2 feet.

- Lorenziana.—Double; finest mixed; annual. Pkt., 10c
 (P) Grandiflora Maxima.— Pkt., 10c

GERANIUM (P)

A half-hardy perennial, easily and quickly grown from seed. Sow seeds thinly in boxes indoors, covering with glass until seedlings appear. When about one inch high transplant to small pots in rather poor soil firmly pressed down. Can later be repotted in larger sies or transferred to open garden.

- Zonale.—Extra choice, single mixed, the well-known bedding Geranium. Pkt., 15c
 Lady Washington (Peltargonium).—Foliage green; flowers large. Finest mixed. Pkt., 25c

GEUM (P) (Chiloense)

Hardy, free-blooming plants. Fine for bouquets. Flowers crimson, double. Blooms all summer. Height, 8 to 12 inches.

- Mrs. Bradshaw.—Scarlet. Pkt., 10c

GODETIA

Profuse and constant bloomers, compact and bushy in growth. Colors rose, crimson, white and pink. Sow seeds indoors in boxes and transplant. Succeeds in open soil. Height, 1 foot.

- Dwarf.—Fine mixed. Pkt., 10c
 Gloriosa.—Dark red. Pkt., 10c
 Duchess of Albany.—White. Pkt., 10c

GOURDS

Good climber. For covering verandas and trellis work; rapid growth, bearing fruits of curious shapes. Plant after soil is warm. Height, 10 to 20 feet.

- Calabash.— Pkt., 10c
 Mixed Varieties. Pkt., 10c

GYPHOPHILIA (P) (Baby's Breath)

A pretty, free-flowering plant. Fine for bouquets. Seeds very small. Sow in boxes indoors, covering lightly with sifted soil firmly pressed down. Transplant soon as large enough to handle. Height, 2 to 3 feet.

Paniculata Fl. Pl. New.—About 30% double. white flowers. Hardy. Pkt., 25c

Elegans Alba Grandiflora.—Hardy annual, easily grown from seed; flowers small, pure white; 2 feet; June. Pkt., 10c; ¼ oz. 25c

HELICHRYSUM (Straw Flower)

Monstrosum.—Everlasting. One of the best for winter bouquets. Hardy annual. Colors, red, yellow and white. Effective for bedding. Sow seeds in open and transplant or thin to 12 inches. Double mixed. Pkt., 10c

HYACINTH BEAN (Dolichos Lablab)

Rapid growing, ornamental, climbing annual, bearing clusters of beautiful purple and white flowers, followed by highly ornamental seed pods. Sow seeds Mixed.—Pkt., 10c; oz., 15c

HOLLYHOCKS (New Annual)

Hybrida Semperflorens.—This splendid variety will bloom in August, from spring planting, continuing until frost. This is a great advantage, as other varieties do not bloom until the second year. Try them. Finest single mixed. Pkt., 10c; ¼ oz., 30c

HOLLYHOCK (B) (Or Althea)

The modern Hollyhock is a great improvement over the old type, the flowers being larger and richer colored. For backgrounds there can be nothing better. Hardy. Seeds should be sown in open from spring to mid-summer, transplanting in late fall. Give rich soil for best results. Height, 5 feet. Chaters.—Superb strains. Double varieties: of greatest perfection. Scarlet, rose, Newport pink, maroon, yellow, white, mixed. Pkt., 10c; ¼ oz., 85c

HUNNAMANNIA (Giant Yellow Tulip Poppy, or Bush Eschscholtzia)

Best of the Poppy family for cutting. Seed sown early in May will, by the middle of July, produce plants covered with their large, buttercup yellow, poppy-like blossoms, and never out of flower until a hard frost. Height, 2 to 3 feet. Pkt., 10c; oz., 75c

ICE PLANT (Mesembrianthemum Crystallinum)

Pretty summer trailing annual for vases and rock work; leaves covered with ice-like drops. Sow seeds early in boxes. Height, ½ to 1 foot. Pkt., 10c

KOCHIA CHILDSII (Summer Cypress)

Forms symmetrical highly decorative bushes, foliage green, turning to fiery red in autumn. Sow seeds in open and thin to 15 inches. Valuable for summer hedges. Height 1 to 2 feet. Pkt., 10c

KUDZU VINE (P) (Pueraria Thunbergiana)

Beautiful Japan climber, hardy perennial with fragrant purplish-violet, wisteria-like flowers. Height, 10 to 12 feet. Pkt., 10c

LEMON VERBENA (P)

Every garden should have a few plants of this fragrant favorite. Its pale green foliage goes well with any flower. Height, 1 to 2 feet. (Usually propagated from cuttings.) Pkt., 15c

LINUM (Grandiflorum Rubrum)

Scarlet Flax.—One of the most showy bedding plants, fine foliage, with brilliant scarlet-crimson flowers. Pkt., 10c; oz., 45c

Perenne (P).—Pearl blue flowers; graceful and hardy. Pkt., 10c; ½ oz., 35c

Perenne Album (P).—Milk white flowers, very decorative. Pkt., 10c; oz., 50c

Flavum (P).—Very firm, yellow. Pkt., 15c; ¼ oz., 50c

LARKSPUR

The annual Larkspure are quite hardy and bloom in the later summer months, furnishing flowers of

striking beauty in form and color. Tall varieties are suitable for shrubberies and borders, while the dwarf sorts produce charming effects in beds. Height, 1 to 2 feet.

Dwarf Rocket.—Finest colors. Double mixed. Pkt., 10c; oz., 75c

Tall Double Stock Flowered.—Lustrous carmine, dark blue, rose, white or finest mixed. Pkt., 10c; oz., 65c

LOBELIA

Lobelia Plants in April and May at 80c doz. post-paid.

Erinus Gracilis.—Trailing excellent for vases, hanging baskets and window boxes. Bright blue flowers. Pkt., 10c; ½ oz. 35c

Specioso.—Trailing, true dark blue flowers, with dark foliage. Pkt., 10c; ¼ oz., 40c

Hybrida Sapphire.—A beautiful trailing Lobelia; very large, deep sapphire blue flowers, with a large and clear white eye; very free flowering; extra long trailer. Pkt., 15c; ¼ oz., 75c

Crystal Palace Compacta.—Little dwarf bedding plant; dark blue flowers cover the whole plant during the entire season; very compact and used extensively in carpet bedding or edging; height 4 inches. Pkt., 10c; ¼ oz., 50c

White Gem.—Compact little plants, covered with snow-white flowers. Pkt. 10c

Cardinals (Cardinal Flower).—Hardy perennial garden plant, with spikes of deep cardinal red flowers; August and September; 3 feet. Pkt., 15c; ¼ oz., \$1.00

LUPINUS

Hartwegi.—Dark blue, light blue, rose, white mixed. Pkt., 10c; oz., 35c

Royal Purple.—Hartwegi. Dark blue, light blue, rose, white, mixed. Pkt., 10c

LUPINUS (P)

Shrubby plants, bearing long spikes of flowers. Colors, white and pink, occasionally blue. Sow seeds in open early in spring. Transplant. Give plenty of room

Perennial.—Mixed. Pkt., 10c

LYCHNIS (P) (Rose Champion) (Jerusalem Cross)

Few plants produce more brilliantly colored blossoms. Flowers are borne in clusters and continue fresh and brilliant for a long time. Hardy, 1 to 2 feet high. Orange, scarlet, and crimson. Seeds should be sown where plants are to remain, thinning to prevent crowding

Haageana Hybrida.—Mixed. Pkt. 15c

MARIGOLD (Tagetes)

A hardy plant in dwarf and tall varieties; foliage bright green and deeply cut. Flowers are various shades of yellow and brown. Sow seeds early in flats and transplant to garden when 3 to 4 inches tall. For specimen plants soil should be light, rich and deeply spaded. Height, 1 to 2½ feet

African.—Tall or dwarf, double *Fistulosa* type mixed. Pkt., 10c

French.—Dwarf or tall double mixed. Pkt., 10c

French.—Tall striped double. Extra select Pkt., 10c

Golden Ball.—New dwarf. Very compact. Pkt., 10c

Legion d'Honneur.—Dwarf single. Pkt., 10c

Little Brownies (Legion d'Honneur). Dwarf double Brownies. Pkt., 10c

MOON FLOWER (Ipomoea Mexicana Grandiflora)

Rapid growing climber belonging to the "Morning Glory" family. At night and on cloudy days vine is covered with fragrant white flowers 4 to 5 inches in diameter. Seeds must be soaked then planted where vine is to remain. Pkt., 10c

MIGONETTE (Reseda)

A quick-growing fragrant annual. Produces the largest and finest spikes of blossoms during cool, moist weather of early spring and late fall months, but will flower freely throughout the summer from seed sown early in spring. A second planting should be made about the first of August. Sow seeds where plants are to remain. Difficult to transplant. Height, 1 foot.

Odorata Grandiflora.—Large, well-formed fragrant flowers. Pkt., 10c

Machet (White).—White with reddish tinge. Best white dwarf variety. Pkt., 10c

Golden Queen.—Dense, dwarf growth; flower golden yellow; very fragrant. Pkt., 10c

Goliath Giant Red.—Mammoth red spikes. Very fine. Pkt., 10c

MIMULUS (P) (Moschatus or Musk Plant)

Cultivated for its rich, musky color. Flowers yellow, white or spotted. Height, 1 foot. Should have a rich soil and ample moisture. Will bloom first year if seed is sown early. Does best in shady situation. Pkt., 15c

Tigrinus Fl. Pl., or **Monkey Flower.**—Beautifully spotted. Mixed. Pkt., 15c

MORNING GLORY

The tall varieties are popular, well known, rapid growing climbers of the easiest cultivation, attaining a height of 10 to 12 feet. Very fine for covering arbors, trellises, etc. The Minor, or Dwarf, varieties flower very freely and do not require support. Plant seeds early where plant is to remain.

Convulvulus Major.—Tall, choice single, mixed, all colors. Pkt., 10c

Double Mixed.—Tall. Pkt., 10c

Imperial Japanese Fringed.—These have very large fringed flowers in a great variety of the exquisite colorings; variegated foliage. Pkt., 10c

MIMOSA (Sensitive Plant)

Pudica.—A good foliage plant. Very curious and interesting, leaves close if touched or shaken. Height, 1 to 1½ feet. Pkt., 10c

NEMESIA

A splendid border plant with the widest range in color. Is very early, a continuous bloomer, and stands a lot of hardship. If topped, and watered when beginning to seed it will start blooming all over again. The Orchid-like flowers are varied in color, blue, orange, rose, yellow, etc.

Blue Gem.—Flowers almost like Forget-Me-Not. Pkt., 10c each

Triumph Mixed.—Pkt., 10c each

NIGELLA (Love-in-a-Mist, or Devil-in-the-Bush)

Compact growing, free flowering plants with curious looking showy flowers and finely cut foliage. Colors blue and white. Sow about April and thin to 8 to 10 inches.

Mixed Colors.—Pkt., 10c

Miss Jekyll.—Cornflower blue. Pkt., 10c

NICOTIANA

A very showy plant, producing star-shaped flowers of delicious perfume. Taken up in the fall, cut back and potted, will bloom freely all winter. Half hardy annual; 3 feet high. Sow seeds in boxes indoors or in a sheltered situation in the open. For best results give plenty of room, rich soil and sunlight.

Affinis.—White. Sweet scented. Pkt., 10c

Sylvestris.—Pure white; fragrant, drooping flowers; deep green foliage. Pkt., 10c

Sanderae.—Resembles the "Affinis," but does not close up in the daytime. The plants are covered with carmine, red, fragrant flowers. Pkt., 10c

NASTURTIUMS

Nasturtium.—Tall or Climbing.—The most popular and most beautiful free-flowering annual climbing vines. These are all of strong, vigorous growth,

throwing out running shoots that can be trained upon strings or wires, or can be readily made to climb ordinary paling fences or wire netting. They are very showy also planted at the top of a steep slope and allowed to run down the bank. We offer only the finest strains, producing the largest and richest flowers. Pkt., 10c; oz., 15c; 4 ozs., 50c

DWARF NASTURTIUMS

These are of dwarf, compact, rounded growth and are especially desirable for planting as borders to flower beds or along garden walks. As with all Nasturtiums, they succeed best on light, well-drained soils or in slightly raised beds.

Pkt., 10c; oz., 15c; 4 ozs., 50c

OENOTHERA (Evening Primrose)

Elegant for growing in an exposed position, in border or on rockery; constant bloomer all summer. Shades of yellow. Sow seeds early in boxes, covering very lightly with fine soil firmly pressed down. Transplant seedlings. Fine mixed. Pkt., 10c

**GIANT FLOWERING PANSIES
SWISS GIANTS**

A truly magnificent new strain of Giant Pansies, more beautiful than any others we have ever seen. It produces well-rounded, compact plants which are literally covered with immense, heavy blooms of remarkable substance and texture. The range of color is simply remarkable and by far the majority of plants bear heavily ruffled and crinkled blooms, carried on long stiff stems. The close selection makes the strain more expensive than others but it is worth all it costs. Pkt., 25c; 5 pkts., \$1.00

Giant Mastodon Pansies.—Immense and well-waved petals. This extra fine strain includes everything from pure white to deep mahogany. The excellent lavender, rose, cerise and light blue shades deserve special mention. This mixture is particularly fine for the greenhouses or for frames, but it will do just as well out in the open. Pkt., 20c; 6 pkts., \$1.00

Holland Strain.—Extra large flowered exhibition mixture. This strain will meet the demand for a real giant flowered fancy Pansy and is our finest mixture. Comprises exquisite shades and colors and produces flowers of great substance. Pkt., 20c; 6 pkts., \$1.00

Oregon Seed Store.—(Exhibition Mixed). This mixture contains the finest varieties grown in Europe and in this Country. This is as fine a mixture as can be made. The flowers are of the largest size and most perfect form and texture. It is a wonderful selection of beautiful shades and colors and sure to please the most critical grower. Pkt., 20c; 6 pkts., \$1.00

PENTSTEMON (P) (Beard Tongue)

Brilliant bell-shaped flowers borne on long spikes, and produced abundantly all summer. Colors range through red, rose, cherry, carmine, pink and purple. Should be sown indoors. Cover lightly and press down firmly. Transplant to open. Mixed. Pkt., 10c

"Sensation."—As a bedding plant this takes rank with the Petunia. About 2 feet, every branch a snake of flowers in a wide range of bright colors. Treated as Petunias. Pkt., 10c

PORTULACA (Rose Moss)

Brilliant dwarf annuals, only 6 inches high, luxuriating in warm situations, and blooming profusely in early summer to autumn. For low beds and masses of color from spring until frost they are indispensable; colors range through innumerable shades of red, yellow, pink, white, striped, etc. Sow seeds indoors. Thrive best in hot and dry situation. Single Mixed.—Pkt., 10c

Double Mixed, Extra.—Pkt., 10c

PEAS—Perennial (P) (Lathyrus Latifolius)

Similar to sweet peas but not so fragrant; they bloom through a long season, are perfectly hardy, and will live for years. Should be sown near a fence or other support, thinning to 2 to 3 feet apart. Height, 4 to 6 feet. Mixed. Pkt., 15c

POPPY

Giant Oriental Poppies.—Among hardy perennials these hold an unrivaled position for gorgeous effectiveness. Height, 2 to 3 feet; flowers immense, often 6 inches across. Excellent cut for decoration. Plant in the open ground in June or July to bloom the following season.

Oriental brilliant.—Bright scarlet, black spots at base of each petal. Pkt., 10c

Oriental Princess Victoria.—A beautiful salmon-pink; wonderful flower. Pkt., 15c

Iceland, or Nudicaule (Perennial).—These are of a very graceful, neat habit, with bright green, fern-like foliage, formed in tufts, from which issue slender stalks, about 12 inches in height, bearing beautiful brilliant single flowers in endless profusion, and most useful for cutting. Pkt., 10c

Single Mixed. Pkt., 10c
Double Iceland Mixed.—Very choice strain, double flowers. Pkt., 15c

Shirley Poppies.—Very beautiful satiny flowers of various colors from white through delicate shades of rose, pink and carmine, to the deepest crimson. Fine for cutting and will keep fresh in water for several days if cut before the blooms are fully expanded. Finest mixed. Pkt., 10c

California Poppy (Eschscholtzia).—They commence to bloom within a few week's time from spring sown seed and continue to flower profusely until late in the autumn, forming nice, bushy plants 1 to 1½ feet high. Colors yellow, red, orange and white. Fine delicate foliage. Sow seeds either in fall or spring where plants are to remain. Seedlings are difficult to transplant. Thin to 12 inches. Pkt., 10c

PETUNIA (Hybrida)

During the whole season it is covered with large, showy blossoms, which are always bright and fresh, in spite of heat and drought. The flowers are of an almost infinite variety of colors and markings, and quite as varied in form; large and small, fringed and plain, double and single. Hardy annual. Sow seeds very thinly indoors under glass. Care should be taken to save the weaker seedlings as they produce the finest flowers. Transplant to garden when soil is warm. Height, 1 to 1½ feet.

Single Choicest Mixed. Pkt., 15c

Double Choicest Mixed. Pkt., 35c

Single Fringed.—Finest mixed. Pkt., 25c

Double Fringed Mixed. Pkt., 50c

Giants of California.—Choicest mixed. Pkt., 25c

Elks Pride.—Deep (Elks) purple. Large flowers, fine for window boxes, borders and bedding. Pkt., 35c

City of Portland.—One of the finest shades of pink. Flowers large and ruffled. Fine for borders or bedding. Pkt., 35c

PINKS

The *Dianthus* family embraces some of the finest of all flowering plants. The blooms are of the richest and most pleasing colors, and nothing can surpass the exquisite fragrance of some varieties. They are hardy, and become perennial in warm climates. Sow seeds in boxes indoors and plant out in good soil when 1 to 2 inches high.

Chinensis Type.—Single mixed. Pkt., 10c

Double Mixed. Pkt., 10c

PASSIFLORA (P) (Passion Flower)

Most interesting and well known climber, bearing singularly beautiful flowers. Height, 10 to 12 feet. Blue. Pkt., 10c

PHLOX DECUSSATA (P) (Perennial)

Large, compact heads of bloom from mid-summer until fall. Height, 2 to 4 feet. Wide range of colors. Sow seeds early in boxes and transplant seedlings once before placing in permanent location. Usually blooms the first season. Requires 5 to 6 months for seed to germinate. Mixed. Pkt., 10c

PHLOX DRUMMONDI

Unrivaled for richness and beauty of color, ranging from white to the deepest scarlet and purple. For cutting, for bouquets or for bedding in masses they are unsurpassed. Hardy annual, 1 foot high. Sow

as soon as soil is warm. Transplant about 1 foot apart.

Large Flowering.—Crimson, white, or mixed. Pkt., 10c

PYRETHRUM ROSEUM (Painted Daisy)

One of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September; in all shades of rose and pink. Pkt., 10c

Aureum (Golden Feather).—Half-hardy, perennial; valuable for edging, as their yellow foliage makes a fine contrast with other bedding plants; 6 inches. Pkt., 10c

RUDBECKIA (P) (Golden Glow) (Newman)

Brilliant orange yellow petals around a large dark center. Useful for borders or as a single group. Sow seeds in a sheltered location and transplant when a few inches high. Height, 4 to 6 feet. Pkt., 15c

SALPIGLOSSIS (Painted Tongue)

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube-shaped much like a petunia, but rivaling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The *Salpiglossis* is deservedly known as the Orchid of Hardy Annuals. If you are not familiar with this, try one package and we know your garden will always contain it after you have seen it. Crimson, pink, purple and gold (new), velvety red. Pkt., 15c

Gloxiniaflora Mixed.—2½ feet. A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 15c

SAPONARIA OCYMOIDES (P)

Very showy, hardy perennial rock plant, producing masses of small bright rose flowers during the summer months. Pkt., 10c

SCABIOSA (Sweet Scabious, or Mourning Bride)

Free flowering annuals; white, carmine, lilac, maroon, etc.; effective for garden decoration and valuable for cutting. Sow seeds in open as soon as soil is warm, thinning 8 to 10 inches. Blooms from early July until frost. Height, 2 to 2½ feet.

Double, mixed. Pkt., 10c

Caucasica Perfecta.—Perennial. Flowers on long stem, fine for cutting. Pkt., 15c

SCHIZANTHUS (Butterfly Flower)

Beautifully fringed and delicately colored flowers so numerous as to hide the foliage. Splendid bedding plants. Seeds sown in open come into bloom in a few weeks. Fine pot plant for house in winter. Height, 1 to 2 feet.

Rose and Amber Shades. Pkt., 15c

Grandiflora Hybrids Mixed. Pkt., 10c

STATICE (P) (Sea Lavender)

Splendid for border or rockery, producing panicles of minute flowers; can be dried and used for winter bouquets.

Latifolia.—Sow like other perennials in flats or cold frames and transplant when large enough into permanent position, 12 to 18 inches apart. Blue. Pkt., 10c

SWEET ROCKET (P) (Hesperis)

An old, hardy garden favorite. Fragrant white flowers, 2 to 3 feet high, resembling Perennial Phlox. Sow seeds early and transplant once before placing in permanent location. Pkt., 10c

SWEET WILLIAM (B) (Dianthus Barbatus)

Remarkably free-flowering plant of brilliant colors, ranging from snow-white to darkest crimson and purple, and emitting a very delicate and refreshing fragrance. May be sown in open and thinned 6 to 8 inches. Height, 1 to 1½ feet.

Scarlet Beauty.—Single. Pkt., 10c

Newport Pink.—Single. Pkt., 10c

Dark Red.—Single.	Pkt., 10c
Turkey Red (New).—Single.	Pkt., 10c
Giant Flowering Mixed.—Single.	Pkt., 10c
Giant Flowering Mixed.—Double.	Pkt., 10c
Salmon Pink.—Single.	Pkt., 10c

SALVIA (Flowering Sage)

Very ornamental, flowers borne in spikes of fiery red or crimson; and continue in bloom in open ground until after severe frosts. Start in heat and transplant into light soil, 1 to 2 feet apart. Excellent for bedding in masses or single planting. Hardy annuals.

Zurich (New Dwarf Early).—The finest of all Dwarf Salvias. Very floriferous.	Pkt., 10c
Splendens.—Brilliant scarlet.	Pkt., 10c
Bonfire (Clara Bedman).—One of the finest Salvias ever introduced; compact bush about 2 feet in height and diameter.	Pkt., 10c

SILENE (Catchfly)

A hardy annual, yielding for a long time a profusion of umbels of bright colored flowers in various shades of pink. Fine for border or rockery. The plant is covered with glutinous moisture, to which flies adhere; hence its name. Sow in boxes and transplant as soon as large enough to handle.

Fine Mixed.—All colors. Pkt., 10c

STOCKS

These popular flowers are easily grown, and are so highly fragrant and of such beauty that they deserve a place in every garden. Seeds should be sown under glass in a warm place, giving plenty of air after seedlings are up. Transplant when about 2 inches high. We offer a splendid collection of selected American grown varieties of highest quality.

Large Flowering Ten Weeks.—	
Large Flowering, Dwarf, Ten Week.—White.	Pkt., 10c
Large Flowering, Dwarf, Ten Week.—Light blue.	Pkt., 10c
Large Flowering, Dwarf, Ten Week.—Dark blue.	Pkt., 10c
Large Flowering, Dwarf, Ten Week.—Rose.	Pkt., 10c
Large Flowering, Dwarf, Ten Week.—Crimson.	Pkt., 10c
Large Flowering, Dwarf, Ten Week.—Canary yellow.	Pt., 10c
Large Flowering, Dwarf, Ten Week.—Mixed colors.	Pkt., 10c
Giant Perfection, Princess Alice.—White.	Pkt., 10c
Giant Perfection, Brilliant.—Blood red.	Pkt., 10c
Giant Perfection, Creole.—Yellow.	Pt., 10c
Giant Perfection, Sapphire.—Violet.	Pt., 10c
Giant Perfection.—Mixed colors.	Pkt., 10c

EARLY FLOWERING SPENCER SWEET PEAS

Six weeks earlier than the Spencers, these new early-flowering varieties begin to bloom 106 days from planting in the open ground and flower through a long season—about four months.

Meadow Lark.—This is a splendid rich, deep cream or primrose-colored self. The flowers are of great size, beautifully waved, and long stemmed.

Pkt., 15c

Snow Flake.—The newest and most magnificent white; of perfect Spencer type; the immense petals gracefully frilled—are a pure white of wonderful substance.

Pkt., 15c

Miss Spokane.—Miss Spokane is a bright peach-red with wings shaded scarlet, blending into a bunch effect of rich orange-scarlet. It has been named by special request of the Mayor of the City of Spokane.

Pkt., 15c

SUNFLOWER (Helianthus)

Stately growing annuals with immense golden yellow flowers; effective for garden decoration. Height, 6 to 8 feet.

Dwarf Double.—Bright golden yellow flowers 3 inches across. Pkt., 10c

Gigoneus Fistulosus.—Saffron, very large, double and handsome. Pkt., 10c

Multiflora.—Beautiful, double yellow flowers. Pkt., 10c

THUNBERGIA (Black Eyed Susan)

Rapid growing annual climbers; splendid for trailing over trellises, fences, etc.; buff, white, orange, etc.; 4 to 6 feet high. Grows readily from seed sown in the open. Mixed colors. Pkt., 10c

TRITOMA (P) (Red Hot Poker)

Bright, showy flowers produced in large spikes of brilliant rich colors. Although hardy, requires some protection through the winter. Will bloom first season, from seeds sown indoors very early and planted out as soon as soil is warm. Cut flowers keep a long time. Height, 2 to 3 feet.

Uvaria.—Dazzling orange red. Pkt., 15c

VALERIANA (P) (Garden Heliotrope)

Sweet scented flowers having red or white blooms produced in large heads. Fine border plants, 2 to 3 feet high. Sow seeds early in boxes and transplant to permanent location as soon as large enough to handle. Should have rich soil. Pkt., 10c

VERBENA

Start seed in the house or under glass early in the spring and transplant after 3 or 4 inches of growth. They flower in July and continue strong and healthy until frost. Height, 8 to 12 inches.

Mammoth Mixed.—Selected; extra large, fine. Pkt., 10c

Fine Mixed.—Pkt., 10c

Candissima.—White. Pkt., 10c

Scarlet Defiance.—Pkt., 10c

Pink Shades. Pkt., 10c

Blue Shades. Pkt., 10c

LEMON VERBENA

Every garden should have a few plants of this fragrant favorite. (Usually propagated from cuttings, seldom from seed.) Pkt., 10c

VINCA (P) (Old Maid)

Tender perennial. Fine for pot culture. Flowers white and pink. Mixed. Pkt., 10c

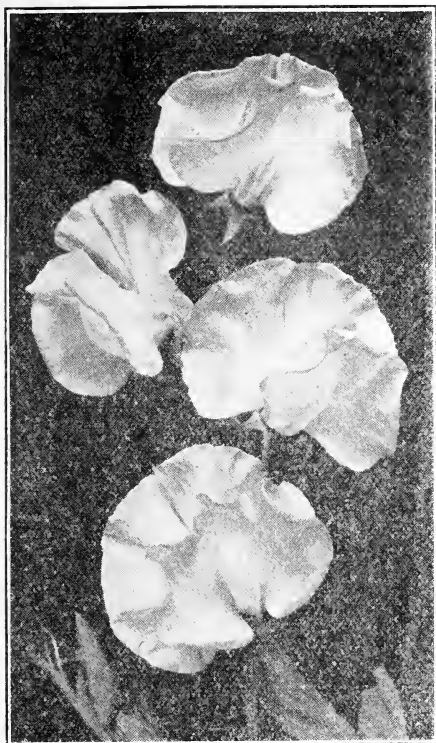
WALL FLOWER (B) (Cherianthus Cheri)

Produces spikes of beautiful, exceedingly fragrant flowers. Colors yellow, red, orange and brown. Half hardy perennials. Sow seed in open and transplant to permanent location late in summer. Should bloom second season. Height, 1 to 1½ feet.

Mixed, Single.—Large flowering. Pkt., 10c

Finest Tau Double Mixed.—Branching. Pkt., 10c

IMPROVED GIANT SPENCER SWEET PEAS



RED AND CRIMSON

Flamingo—Beautiful Orange Scarlet Cerise. It is more than that because in sunshine or artificial light it appears to be suffused richly with orange scarlet. The flowers are large, nicely waved, and well placed on strong stems. Pkt., 20c; oz., 75c

Campfire—This is the brightest, pure flame scarlet ever offered. A vivid extremely bright color. Wonderful large flowers that will not burn in the hottest sunshine. Pkt., 15c; oz., 65c

Royal Scot—Brilliant lustrous orange-scarlet flowers with a deep cerise sheen. Large and well waved blooms arranged in artistic sprays. Pkt., 10c; oz., 40c

Sybil Henshaw—A beautiful large flowers; Color deep crimson. Pkt., 10c; oz., 40c

Warrior—Rich velvety maroon which is considered the best dark variety. Pkt., 10c; oz., 40c

WHITE AND CREAM

Constance Hinton—Decidedly the best black-seeded, white-flowered variety. Flowers are of largest size, and comes at times with a decided blush tinge. Pkt., 10c; oz., 35c

Youth—A clear, wavy white with a well-defined clear pink edging. Enormous flowers, very fragrant. Dainty and desirable in every way. Try it. Pkt., 10c; oz., 50c

King White—The newest and most magnificent white; of perfect Spencer type; the immense petals gracefully frilled—are a pure white of wonderful substance. Pkt., 10c; oz., 35c

Model—An outstanding new black-seeded white Sweet Pea of magnificent proportions. Pkt., 10c; oz., 40c

Daffodil—At last a deep, rich, pure cream colored sweet pea of vigorous free-flowering qualities. Fine frilled flowers; very charming. Pkt., 10c; oz., 40c

Majestic Cream—Giant deep cream. White seeded. Pkt., 10c; oz., 40c

What Joy—Primrose yellow shading to cream. Very beautiful. Pkt., 15c; oz., 60c

LAVENDER AND BLUE

Reflection is a great improvement in the clear blue section in Sweet Peas. Reflection is the result of a cross made for "blueness" and vigor. The result is an outstanding robust grower with long stout stems, usually having four well placed flowers on each. The flowers are bold, nicely waved, of large size and clear blue with only the slightest trace of mauve in the young bud. Pkt., 20c; oz., 75c

Powerscourt—A pure lavender self with flowers of mammoth size, yet refined and well placed on long stems. Of vigorous and free-flowering habit. The one best pure lavender. Award of Merit from the National Sweet Pea Society of Great Britain. Pkt., 10c; oz., 40c

Mrs. Tom Jones—Very large and of great substance, beautifully waved, usually borne four on a stem of great length. Color is best described as a bright "delphinium blue." Pkt., 10c; oz., 35c

Royal Purple—An excellent variety with large rich purple blooms borne profusely in fours on long stems. The younger flowers are a trifle lighter. Pkt., 10c

Austin Frederick Improved—A very strong growing, large lavender, of good, clear color. It is more of the rosy lavender than the blue. The flowers are very large and the stems extra stout. A most satisfactory variety to grow. Pkt., 10c; oz., 50c

Gleneagles—Flowers of immense size; color a blue lavender. Pkt., 15c; oz. 60c

PINK SHADES

Idyl—The color is rich, bright and a delightfully pleasing clear salmon pink. Idyl is a strong grower, the stems are long with four well placed flowers, and the blossoms are nicely waved. Pkt., 20c; oz., 75c

Pinkie is a large, deep rose pink. It is the result of a cross made for vigor and color, and the result is most outstanding.

Pinkie is larger than any other variety we have ever seen belonging in the Deep Pink section of the National Sweet Pea Society's classification list. It is a most vigorous grower, a continuous cropper and with outstanding long, stout stems. The flowers are nicely waved and well placed on the stems. Pkt., 20c; oz., 75c

Winnie Morse is the largest and one of the most beautiful Sweet Pea ever introduced. The flowers are mostly duplexed and delightfully frilled, giving the blossoms a fine light, wavy effect in spite of their large size. The color is cream ground, lightly flushed, soft rose pink. The effect when bunched is very sweet and pleasing, and the flowers are well placed on strong stems. Pkt., 20c; oz., 75c

Carnival—Rose pink on cream ground. A beautiful dainty rose pink with just the faintest suffusion of cream, making the color combination hard to surpass. The flowers are perfectly formed with both standards and wings decidedly waved. Carnival is a sturdy grower, and producing an abundance of large four-flowered sprays on long, stout stems. Pkt., 20c; oz., 75c

Miss California—This beautiful Sweet Pea is unsurpassed for either exhibition or general cutting purposes. The color is a most distinct and beautiful shade of rich pink, deeply flushed and shaded with salmon. Pkt., 15c; oz., 60c

Mary Pickford—A beautiful dainty, cream pink with just the faintest suffusion of salmon, making a color combination of delightful beauty. Flowers large, decidedly waved on long stems. A novelty of real merit. Pkt., 15c; oz., 60c

Hebe—This is the largest and best rose-pink variety. It is a variety with great vigor and the flowers are always produced on exceptionally long stems. Pkt., 10c; oz., 50c

Supreme—A clear light soft pink. Very attractive. Pkt., 10c; oz., 40c

RUFFLED GIANT MIXTURE OF SPENCER SWEET PEAS

This is our own special mixture and is composed only of the best giant ruffled flowering wavy Spencer varieties. For healthy, robust growth, wealth of blooms, size of lowers and exquisite and rare colorings, this mixture is unequalled. Pkt., 10c; oz., 20c; 4 ozs., 70c; lb., \$2.50

GIANT DAHLIA FLOWERED ZINNIA

One of the most brilliant and showy of garden plants, one of the most easily grown from seed, and the immense double flowers are still in their glory after most other flowers have been killed by frost. Hardy annual; two feet high. Sow seed outdoors early in spring and thin the plants to six inches apart. For earlier blooms, plants may be started indoors.

Exquisite.—By far the most pleasing of our collection. Truly DAHLIA flowered as regards form and size. Color, light rose with center a deep rose. (Tyrian Rose.) Pkt., 15c each

Old Rose.—This is adequately described by its name, as it is of the real Old Rose shade. It is large, and for charm and beauty we consider it ranks next to Exquisite. Pkt., 15c each

Illumination.—Similar to Exquisite, but a striking self color of deep rose. (Tyrian Rose.) Pkt., 15c each

Golden State.—A very rich orange yellow (Cad-mium). Yellow in bud, turning to an attractive orange when in full bloom. Pkt., 15c each

Crimson Monarch.—By far the largest and best of red shades. Flowers often eight inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit. Pkt., 15c each

Giant Attraction.—A distinct shade of brick red (Spectrum Red), which carries its color well from the bud, and forms into an immense ball of color when in full bloom. Pkt., 15c each

DOUBLE GIANT ZINNIAS

Improved Grandiflora Robusta.—These are the giant or mammoth flowering type and are in every way superior to the common kinds. Flowers are borne on long, stiff stems and are of a semi-globular form, very full and double. Excellent for cutting. Plants grow 2 to 3 feet high and produce very freely immense flowers, many measuring from 4 to 5 inches across and all of lovely rich and rare colors. Cultivation: Fertilizer and plenty of water will increase the number and size of the flowers.

Apricot Buff	Purple
Apricot Orange	Rose
Apricot Yellow	Salmon
Bright Rose	Scarlet
Crimson	White
Deep Flesh	Mixed
Orange	

Price, any of the above.
per pkt., 10c

Dream.—A fine deep lavender, turning to purple (Mallow Purple), a new, desirable shade in Zinnias.

Pkt., 15c each

Polar Bear.—A very large pure white, the best white yet seen in Zinnias. True Dahlia form.

Pkt., 15c each

Buttercup.—An immense deep creamy yellow. A very desirable flower, which should be included in every collection. Pkt., 15c each

Scarlet Flame.—A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor. Pkt., 15c each

Meteor.—A rich, glowing, deep red (Spinel Red), and the darkest of all the red shades. Fine form, with good depth of petal. Very large and more floriferous than other reds. Pkt., 15c each

Oriole.—We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named. Our cultures are limited, and we can offer Oriole in small quantities only this year. Pkt., 15c each

Dahlia-Flowered Zinnia, Mixed Colors.—New, and specially fine. The flowers are fuller and more double than any others. Pkt., 15c each

Superb Double Giant Special Mixed.—Our own superb mixture, made up from separate shades so as to produce a blend of wide range and rare and rich true colors. Pkt., 10c

ZINNIA PLANTS

Mixed and Separate Colors.—We will be able to supply in season well grown plants from our own select seed. Order early while we have all colors and we'll send in proper season.

IMPROVED DWARF ZINNIA

Elegans Pumila.—This improved, large flowered dwarf, double Zinnie makes very effective plants for bedding or borders; plants are compact and flower freely all summer; very desirable; 1 foot.

Bright Scarlet, Golden Yellow, Salmon Rose, White or Mixed, all colors

Pkt., 10c; ¼ oz., 35c; oz., \$1.00

POPULAR ANNUAL BEDDING PLANTS

Our stock of perennials is very complete and forin the home as well as for garden effects. They also immediate results they will be found very satis-make splendid displays in tubs and porch boxes.

We have for early delivery fine large plants that can be set as soon as weather permits and with little Annual bedding plants are so inexpensive that are will bloom freely throughout the season. Prices they should be planted extensively for cut flowers are per dozen, f. o. b. Portland

Alyssum	\$0.50	Clarkia .....	.50	Larkspur	\$0.50	Pinks	\$1.25
Asters .....	.50	Cosmos .....	.50	Lobelia .....	.50	Salpiglossis .....	.50
Carnations	1.50	English Daisies	\$0.50	Marigold .....	.50	Salvia .....	.60
Calliopsis .....	.50	Forget-Me-Not	1.00	Mignonette .....	.50	Stocks .....	.50
Candytuft	\$0.50	Geraniums	\$.1 to 3.00	Petunia	\$0.75	Verbena .....	.50
Centaurea .....	.50	Heliotrope .....	.75	Phlox .....	.50	Zinnias .....	.50

CHOICE GLADIOLI BULBS

CULTURE—Gladioli may be planted as early as the ground can be worked or as late as June. A sunny situation is preferred. Plant to a depth of 3 to 6 inches, depending on the size of the bulb. Largest bulbs are not always best, as some varieties do not produce large bulbs. Any garden soil will give satisfactory results, but if well enriched, cultivated and freely watered when bulbs first show, Gladioli will amply repay you for this additional care. If cut when the first bud opens and put in water, the flowers will open perfectly, keep for many days, and colorings are richer and more delicate than if left to open on plant.

Anna Ebertus—This variety has created a sensation everywhere, with growers and amateurs alike. It will be done one of the most grown varieties in the next few years; its coloring, growth and propagating is unexcelled. Dark velvety purple; throat deeper shade; flowers of large size spikes 3 to 4 feet high, fine, long, well-set spikes.
Each, 6c; doz., 60c; 100, \$4.00

A. W. Hunt—Bright red with small white markings on lower petals; large flowers; very showy.
Each, 6c; doz., 60c; 100, \$1.00

Bengal Tiger—Handsome, large; flowers of a rich, rosy-red, with unusual markings of a darker shade. The throat is enhanced by a suffusion of golden orange. A rich, rare and pleasing variety.
Each, 6c; doz., 60c; 100, \$1.00

Battle Creek—An attractive, almost self-colored deep violet, a little deeper in throat. Good size and many open at a time. A showy flower.
Each, 10c; doz., \$1.00; 100, \$7.00

Capt. Boynton (B)—Extra fine, large lavender
Each, 6c; doz., 60c; 100, \$1.00

Golden Frills (R-1925, 66 days. Rating 95)—A large and open flower. Deep, rich daffodil-yellow with slight pink lines on lower petals. Intensely ruffled and very choice. Beautiful tips of this variety arranged in a bowl and shown at the A. G. S. Show, Rochester, August, 1925, awarded first prize for "best display of gladiolus tips in bowl."
Each, 15c; doz., \$1.25; 100, \$8.00

Golden Measure—Immense tall spikes of deep golden yellow flowers. The king of the yellows.
Each, 10c; doz., \$1.00; 100, \$7.00

"Henry Ford" (Diener)—Very dark rhodamine purple shading into deeper tones near the center. Very clear color. Good propagator.
Each, 25c; doz., \$2.50; 100, \$16.00

Hermes—Large, strong plant. Very large, deep cherry-rose flower with deep rose on lower petals. Heavily ruffled. A grand variety.
Each, 15c; doz., \$1.25; 100, \$9.00

Cowee's Scarlet Wonder—Huge flowers of a brilliant flaming scarlet-red color. A most unusual variety, with strong, sturdy stems.
Each, 10c; doz., \$1.00; 100, \$7.00

Diana—One of the very best early bright reds.
Each, 6c; doz., 60c; 100, \$4.00

Mrs. Leon Douglas—New, handsome, stately variety. Giant, graceful flowers 5 to 6 inches across on tall spikes. Ground color, rich salmon-pink overlaid and beautifully pencilled brilliant flame-scarlet; pale lemon throat, slightly speckled ruby.
Each, 10c; doz., \$1.00; 100, \$7.00

Mrs. Frank Pendleton—Bright rose-pink on a pure white ground. A giant blotch of richest carmine-red on lower petals. No grander variety in existence. Awarded highest honors at the American Gladiolus Society, Mass. Horticultural Society, and many others.
Each, 5c; doz., 50c; 100, \$3.25

Mrs. Arthur Meeker—Exceptionally fine, rich, deep American Beauty rose-color. A very beautiful and unusual color.
Each, 10c; doz., \$1.00; 100, \$7.00

Old Glory—Deep maroon, fine white lines.
Each, 6c; doz., 60c; 100, \$4.00

Purple Glory—The giant of the Kunderdii Glory race and of remarkable color. Deepest velvety maroon-red, with almost black blotches, like burned into petals. Beautifully ruffled.
Each, 8c; doz., 75c; 100, \$6.50

Rose Ash (Diener)—Corinthian red shading into ashes of roses on the outer edges. Lower petals light yellow speckled with ruby. Flowers large and well-placed. A Diener origination.
Each, 5c; doz., 50c; 100, \$3.50

Romance (Kunderd)—Rose pink with all the petals edged steel blue. Tall spike with many large flowers open at one time. A very distinctive and beautiful variety.
Each, 10c; doz., \$1.00; 100, \$7.00

War—Large, glowing crimson flowers that make a gorgeous display.
Each, 7c; doz., 70c; 100, \$4.50

Wm. G. Badger (M)—Similar to Richard Diener, very early, extra fine.
Each, 7c; doz., 70c; 100, \$4.50

Robt. J. Kunderd (K)—One of Kunderd's best reds.
Each, 7c; doz., 70c; 100, \$4.50

Flora—A golden yellow variety of great excellence, being a free, strong grower with splendid spikes and flowers of large size.
Each, 6c; doz., 60c; 100, \$4.00

Rev. Ewbank—Beautiful porcelain blue with deeper blotch on lower petals.
Each, 5c; doz., 50c; 100, \$3.25

Peach Rose—Soft rose pink with very rich carmine pink blotches. Very popular for cutting.
Each, 6c; doz., 60c; 100, \$4.00

Extra Choice Mixed—A wonderful mixture of only very choice, large, free-flowering varieties that we guarantee will please you and be the equal of any mixture offered anywhere.
First size bulbs, doz., 35c; 100, \$2.50

OREGON SEED STORE SPECIAL DAHLIA COLLECTIONS

Note the Saving in Prices

This year we are offering several fine Dahlia collections at greatly reduced prices and feel sure that all who buy them will be more than pleased. The varieties offered are a selection of the very best sorts and will give you a beautiful range of color and the different types we know will meet with your approval. Every bulb is guaranteed to grow and be true to name and will be correctly labeled.

Please do not ask us to substitute any of the varieties listed, as they are packed in advance of the shipping season.

OREGON DAHLIA COLLECTION

Ten Dahlias of Oregon introduction, worth \$5.80, sent post-paid for \$2.80. (Save \$3.00.)	
OREGON, C., Rosy Carmine Cerise.....	\$.60
CITY OF PORTLAND, P., Giant Canary Yellow.....	.50
LILAC GIANT, D., Deep, Bluish Lilac.....	1.00
OREGON RED, D., Large, Rich Crimson.....	.50
SYNCOPIATION, D., Yellow Overlaid Red.....	1.00
CHALLENGE, D., Gold Tipped Crimson.....	.35
ELEGANT, H. C., Salmon Shaded Orange.....	.35
FIERY GEMS, Single, Brilliant Fiery Scarlet.....	.50
MISS GERTRUDE HIGGINS, H. C., Crimson Tipped Gold.....	.50
OAKVILLE, D., Salmon Striped Red.....	.50
	<hr/> \$5.80

BEAUTIFUL YARD COLLECTION

Twelve Dahlias, all fine varieties, worth \$5.20 at regular prices, postpaid for \$2.25. (Save \$2.95.)	
AL KOREN, D., Golden Rod Yellow.....	\$.35
CLAUDE HARLAN, D., Giant Blush Lavender.....	.50
HUGH DUTTON, H. C., Giant Deep Crimson.....	.35
MISS MARGARET STREDWICK, C., Soft Rose Seabright, D., Orange and Buff.....	.50
T. P. QUIMBY, D., Pure White.....	.35
MRS. I. DE VER WARNER, D., Giant Orchid.....	.50
SEQUOIA GIGANTEA, D., Giant Yellow.....	.35
BRITISHER, C., Large Crimson.....	.35
W. D'ARCY RYAN, D., Purple Tipped White.....	.50
MRS. AUGUSTA R. JOHNSON, D., Yellow and Salmon.....	.60
THE ORIOLE, P., Orange, Red and Yellow.....	.50
	<hr/> \$5.20

CUT FLOWER DAHLIA COLLECTION

Twelve Special Cut Flower sorts, worth \$5.75, for \$2.75, postpaid. All have good stems, bloom freely and last well when cut. We use these for our own florist cut flower trade. (Save \$3.00.)	
JERSEY BEAUTY, D., Gaint Erosine Pink.....	\$.75
LITTLE JEWEL, Pom., Peach Blossom Pink.....	.50
FLORENCE FINGER, D., Giant Lavender Rose.....	.50
JAS. C. GILL, P., Golden Orange and Red.....	.35
DR. TEVIS, D., Old Rose and Gold.....	.35
MARY MUIR, H. C., Fine White.....	.35
RAINBOW, D., Old Gold and Red.....	.50
MRS. ETHEL SMITH, H. C., White Shaded Lemon.....	.50
SURPRISE, C., Orange Amber, Yellow Center.....	.50
MARCELLA GILL, D., Soft Sea Shell Pink.....	.35
MAUDE ADAMS, S., White Tipped Pink.....	.53
CERISE STAR, Cerise Colored Star Type.....	.75
	<hr/> \$5.75

CHEERFUL GARDEN COLLECTION

8 BULBS, WORTH \$2.50, FOR \$1.00, POSTPAID

We offer 8 Dahlia Bulbs, our selection of varieties, all labeled with their correct name and worth \$2.50 at regular prices. This collection made a big hit last season, our customers being surprised at the great value we gave. The collections will be made up mainly from cactus, peony and decorative types.

HARDY LILLIES

Lilies of all kinds are easy to grow. The Japanese and domestic varieties listed below are all procured from the best possible sorts and we can highly recommend these bulbs.

AURATUM (The Gold-banded Lily of Japan)—Strong, sturdy grower, profuse bloomer. Large open, handsome white flower, thickly dotted with crimson and a gold band through the center of each leaf. Very fragrant. 4 to 5 feet. Large selected bulbs. Each 35c; doz., \$3.50. Mammoth size, each 50c.

MT. HOOD LILY—A beautiful lily, native of Oregon. Flower of open trumpet form; white, tinted with lavender pink; grows 3 to 5 feet high. The beautiful, fragrant flowers are freely produced in graceful clusters. Few lilies surpass it and it deserves to be planted much more extensively. Select Nursery Grown Bulbs, each 40c; 3 for \$1.00.

SPECIOSUM RUBRUM—White ground, suffused deep rose, dotted with crimson, relaxed petals, free bloomer and hardy. Very popular. Select Bulbs each 35c; doz. \$3.50.

GIANT TIGER LILY (Improved Tigrinum Splendens)—Very hardy and sure to bloom. Large, single

SPECIAL OFFER: One each of the above six varieties, \$1.65. Note the saving.

WATER LILLIES

We are not cataloguing a long list of named varieties this year but offer four colors of the best variety for display or cut flowers. **PRICES**—Your choice of White, Light Pink or Dark Pink at \$1.00 each. Extra large bulbs \$2.00. Yellow \$1.50. Extra large bulbs \$3.00. You will be pleased with our varieties.

All shipments by express.—Bulbs can be mailed if necessary by adding 10 cents extra. Extra large bulbs 15 cents extra.

Order early and we will send at proper planting time.

PLANTING DIRECTIONS

Hardy lilies may be planted on the Pacific Coast from March to August, depending on local weather conditions.

flowers, rich orange, freely marked with small black dots (4 feet). An old and popular lily. Each 20c, doz. \$2.00.

MYRIOPHYLLUM or **REGALE**—A magnificent new lily from China. Grows 3 to 5 feet high, bearing handsome white, fragrant, trumpet-shaped flowers; slightly shaded pink outside and the lower inner surface primrose-yellow. It is a hardy lily and is one of the finest novelties offered in many years. It seems to thrive on any good, well-drained soil. The fragrance is fascinating, somewhat like a "Gardenia." Small but blooming age, each 40c; large size, each 60c; top size, extra large, \$1.00.

CANDIDUM (Madonna Lily)—This is the ever popular, fragrant, snow-white, hardy garden lily. The flowers are produced in clusters, at the top of 4 to 5-foot stems; blooms in the open ground in June. A very hardy and popular trumpet-shaped lily. Large Select, each 35c; doz. \$3.00; Mammoth Bulbs 50c.

Mosquitos and Goldfish.—There will be NO mosquitos where pools are stocked with goldfish.

How to Plant.—Boxes, 2 feet square and 1 foot deep, should be filled with good, rich garden loam, well compacted. Well decayed manure may be used to enrich the compost—1 part to 3 of soil. A 6-inch pot of bone meal to each box is very useful also. In planting, simply push the root horizontally into the mud until the growing end is flush with the surface. Another method is to spread the soil over the entire bottom of the pool, thus giving more root room to the plants.

Water lilies grow best where there is a foot of water over the plants and about the same amount of soil below. All pools should be made at least 2 feet deep; a 4-inch cement bottom and a 5-inch wall is advised. Tub culture is also successful.

HARDY PERENNIAL FLOWERING PLANTS

No class of plants enjoy greater popularity at the present time than the Hardy Perennials. They have made rapid strides in to public favor the past few years, until now they may be considered to have a prominent and a permanent place in our American gardens. Once planted, they require very little care, increasing in size of plant and profusion of bloom from year to year. Most varieties can be taken up, divided and reset every third year.

ARABIS

Rock Cross.—One of the most desirable of the very early spring flowering plants for edging and the rock garden. Forms a dense carpet, completely covered with pure white double flowers; 6 inches. Each, 20c; doz., \$2.00

ANEMONE

Japanese.—These beautiful Windflowers are one of the most important hardy plants. They begin blooming early in August and continue in full beauty until cut down by hard frost. Excellent for bouquets, lasting for days when cut: 2½ to 3 feet. Each, 30c; collection of 3 kinds, 75c

Whirlwind.—Best large pure white.
Alice.—Lovely flowers, beautiful pink.
Prince Henry.—Red; large, free flowering.

ALYSSUM

Gold Dust (Saxatile Compactum).—Large heads of golden yellow flowers in May and June; silvery foliage; fine for rockeries; 10 to 12 inches. Each, 25c; 3 for 60c

AQUILEGIA

The Columbine are one of the most elegant and beautiful of hardy plants, producing their graceful spurred flowers on stems rising 2 feet or more above the beautifully divided foliage, and are highly prized for cutting; June to September.

Mixed.—Very choice. Each, 30c; 3 for 75c

Michaelmas Daisies.—Among the showiest of our late-flowering, hardy plants, giving a wealth of bloom during September and October. They grow freely in any soil. Fine for cutting; 3 to 6 feet. Lavender, white, heliotrope and blue. Each, 30c; 4 sorts, \$1.00; doz., \$2.50

BELLIS PERENNIS

English Daisy.—Popular early flowering plants. Very pretty for small borders.

Double Red or White. Each, 20c; doz., \$2.00
Mammoth.—Extra large flowers in white or pink only. Each, 25c; doz., \$2.50

COREOPSIS

Lanceolata Grandiflora.—Popular hardy plants. The flowers are a rich golden yellow, of graceful form and invaluable for cutting; the main crop comes during the latter part of June, but it continues in bloom the entire summer and autumn; it succeeds everywhere; 1½ feet. Each, 25c; 3 for 65c

CANTERBURY BELLS

(Canpanulas, or Bellflowers)

One of the most popular hardy garden plants on account of the beautiful clusters of long-stemmed, dainty yet large flowers. They are very showy. The "Calycanthema" are only "biennials."

Persicifolia (Peach Bells).—Large clusters of drooping bell-shaped flowers during June and July; 3 feet. Blue or white. Each, 25c; doz., \$2.50

Calycanthema (Cup and Sancer Canterbury Bells).—A beautiful form of this favorite flower. Blue, rose or white. Each, 25c; doz., \$2.50

CHRYSANTHEMUMS

They produce a lavish profusion of blooms after most flowers are gone; very popular.

Hardy Pompom.—Small ball-shaped flowers. We offer four colors. Field-grown plants. Yellow, red, pink or white. Each, 25c; 4 for 85c

DORONICUM

One of the most effective and very early spring flowering perennials, growing about 2 feet high, producing a profusion of Marguerite-like golden yellow flowers of much beauty and elegance. It is a splendid for cutting. Each, 20c; doz., \$2.00; Large, 30c

DIANTHUS

Deltoides (Maiden Pink).—A charming creeping variety, with medium-sized pink flowers in June and July; especially suited for the rock garden or borders. Each, 25c

Hardy Garden.—Mixed. Each, 25c; doz., \$2.50

DELPHINIUM (Hardy Larkspur)

These are deservedly one of the most popular subjects in the hardy border, bold, attractive and highly prepossessing plants of easiest culture; perfectly hardy; 4 to 6 feet. Fine for cut flowers, June to November; when the first blooms are faded, cut all foliage close to the ground and a second crop will come. Choice mixed. all shades. Each, 25c; doz., \$2.50

Gold Medal Hybrids.—Unquestionably the finest strain of hybrids from the best named varieties. Very large, 2-foot flowers, spikes in beautiful shades of lavender, light and dark blue. Each, 30c; doz., \$3.00

Belladonna.—A free and continuous bloomer; flowers clear turquoise blue; very beautiful; long flower spikes. Each, 30c; doz., \$3.00

Bellamosum.—Same as above; rich deep blue. Each, 30c; doz., \$3.00

Formosum.—Dark blue, white centers; an old favorite; 3 to 4 feet high. Each, 30c

DIGITALIS (Foxglove)

Old-fashioned, hardy, desirable plants with broad foliage and showy flowers borne on spikes. June and July; 4 to 6 feet. Mixed colors. Each, 25c

FORGET-ME-NOT (Myosotis)

Palustris.—A variety that is hardly ever out of flower; useful in shady spot in the border. Each, 25c; doz., \$2.50

GAILLARDIA (Blanket Flower)

Among the showiest and most effective of perennial plants, blooming continually from early summer on through the season. Grows 2 feet high. Flowers about 3 inches across, dark red in center with rings of crimson and vermilion encircling same on a golden yellow ground.

Grandiflora.— Each, 25c; 3 for 65c

GEUM

A showy border plant, growing about 18 inches high and producing all summer and fall brilliant double scarlet flowers in large clusters. This new variety is a fine advance from the older sorts heretofore grown. We consider this the finest red hardy plant.

Mrs. Bradshaw.—Double, scarlet. Each, 30c; 3 for 75c

GYPSOPHILA (Baby's Breath)

Fine, delicate foliage. Minute white flowers borne in enormous quantity in open panicles during summer months. Be sure and have a few plants of this for cutting, as it works up beautifully in bouquets of other flowers; 3 to 4 feet. Each, 25c to 35c

Paniculata.—

HELENIUM

Hardy perennials, bearing in profusion during summer and fall, beautiful flowers for display or cutting. Each, 30c; 4 sorts \$1.00

Autumnale Rubrum.—Robust grower, bright terra cotta red flowers; 3 feet.

Autumnale Superbum.—Massive spreading heads of deep golden yellow flowers; 5 feet.

Riverton Beauty.—Rich lemon-yellow with purplish black cone. August and September; 3 to 4 feet.

Riverton Gem.—Old gold changing to wallflower red. August and September; 3 feet.

HEUCHERA

Sanguinea (Coral Bells).—A compact bushy plant of robust constitution and easy culture, bearing during July and August graceful sprays of coral-red flowers in great profusion. Fine for cutting. Each, 25c; doz., \$2.50

HARDY PERENNIAL FLOWERING PLANTS—(Continued)

HOLLYHOCKS

Double or Semi-Double.—In separate or mixed colors. Each, 25c; doz., \$2.50

HYPREICUM (St. John's Word)

Moserianum (Gold Flower).—Of drooping, training nature. Fine for rockeries, etc. Free flowering. Rich golden-yellow; beginning in June.

Each, 25c; clumps, 50c to 75c

LAVENDER

Vera.—The true, sweet, fragrant lavender. Flower stems always in demand.

Small plants, 20c; large plants, 25c to 50c each

PHLOX

Among the hardy perennial plants no class is of more importance than the Phlox, succeeding in almost any soil and position, and flowering through a long season. Excellent for cutting and decorating or for mass effects.

Beacon.—Brilliant cherry red. Tall.

Baron von Dedem.—Deep pink, suffused orange, medium.

Elizabeth Campbell.—Bright salmon pink, white eye.

Goliath.—Bright cerise with a deep eye; 3 feet.

Prof. Virchow.—Bright carmine overlaid with orange and scarlet.

Prof. Schliemann.—Bright lilac rose. Late.

Rheinlander.—Salmon pink.

Thor.—Rich salmon-pink with deep crimson eye.

Price of above, 25c each; \$2.50 per doz. Below we list two new Phlox that we can recommend as the best of their color.

Deutschland (Homeland).—Brilliant dark orange-scarlet; very large trusses. Each, 40c; doz., \$4.00

Gefion.—Tender peach-blossom pink with bright rose eye, creating a soft mauve effect; flower and truss very large and on erect, compact stems.

Each, 30c; doz., \$3.00

Phlox Suffruticosa (Miss Lingard).—Flowers pure white with pale pink center; flower truss is very large and long, often being 1½ feet long.

Each, 25c; doz., \$2.50

CREEPING PHLOX

Subulata (Moss Pink).—An early spring-flowering type with pretty moss-like evergreen foliage, which during flowering season is hidden under a mass of pretty blossoms. Excellent for bordering, rocky and grave planting.

Each, 25c; 3 for 65c; 12 for \$2.50

Alba.—Pure white flowers. Each, 25c

Lilacina.—Pretty lilac flowers. Each, 25c

Rosea.—Delicate rose-pink flowers. Each, 25c

POPPY

Nudicaule (Iceland Poppy).—A beautiful class of hardy poppies. Flower stems about a foot in height, bearing elegant cup-shaped flowers, ranging in color from white to scarlet, but most valuable in the yellow and orange shades. Valuable for cut flowers, lasting well when cut. Mixed, all colors.

Each, 25c; doz., \$2.50

POPPY (Oriental)

Fine subjects for massing or planting singly in the hardy garden; 3 feet. They make a wonderful show when in bloom. May and June.

Goliath.—Large bright scarlet.

Salmo Queen.—Delicate salmon pink.

Oriflamme.—Gorgeous orange-scarlet.

PENTSTEMON

Beard Tongue.—For description see flower seeds. Plants, each, 25c

PRIMROSES PRIMULA

English Primrose.—Pretty low growing plants bearing large numbers of beautiful flowers very early in the spring and having the old-fashioned cowslip fragrance so dear to the heart of every Englishman. The flowers are in a wide range of rich colors from golden-yellow to deep crimson maroon.

Mixed Hybrids.—Each, 25c; 3 for 65c

Vulgaris.—Canary yellow, very early, fragrant. Each, 25c

PYRETHRUM

Persian Daisy.—One of the most valuable of our early summer flowers; charming shades of color, and wonderful lasting properties as a cut flower; they flower in May and June and frequently in August

and September the second time; the colors run into almost every shade, which makes them foremost of plants in this particular season.

Hybridum.—Mixed. Each, 30c; doz., \$3.00

RUDBECKIA (Golden Glow)

Indispensable for the hardy border; grow and thrive anywhere, giving a wealth of bloom, which are well suited for cutting.

Flowers beautiful golden-yellow; very double. Marvelous continuity of bloom from June till late fall; 6 to 8 feet.

Small plants, 25c; large, 35c

SAXIFRAGAS

(Umbrosa London Pride).—A low-growing spreading sort, throwing up slender stems a foot high of pretty pink flowers in dainty clusters; small, dark evergreen leaves. A fine border for banks or rockeries.

Each, 20c; doz., \$2.00

Megasea.—Very hardy and ornamental; leaves broad round, deep green; 1 foot. Pretty flowers. Very early.

Each, 25c; doz., \$2.50

SHASTA DAISY

Very large daisy-like flowers, often measuring 4 to 5 inches across, having 3 or more rows of petals of the purest white. Flowers produced in great profusion on long strong stems. Very popular; 2 to 3 feet.

Each, small 20c, doz. \$2.00; large 25c; clumps, 35c

SCABIOSA

Caucasica.—A choice hardy plant, thriving in any situation and producing fine umbels of beautiful lavender-colored flowers all season through; flowers very lasting, admirably adapted for cut flower purposes; grows 18 inches high. One of the finest perennials.

Each, 25c; 3 for 65c

STOKESIA

Cornflower Aster (Cyana).—Handsome lavender-blue cornflower-like blossoms which measure from 4 to 5 inches across. Desirable as a single plant or grown in beds; 18 to 24 inches high; June to September.

Each, 30c

SWEET WILLIAMS

Of late years these have been greatly improved in form and habit. They produce a wonderful array of vivid colors in fancy patterns. Flowers in flat clusters, very showy and effective; 18 inches; are at their best during June and July.

English Varieties.—Mixed. Each, 25c

Newport Pink.—Rose pink. Each, 30c

TRITOMA

Flame Flower (or Red Hot Poker)

Pfitzeri.—Blossoms from August to October with spikes 3 to 4 feet high, and heads of bloom of a rich orange-scarlet, producing a grand effect either planted singly in the border or in masses.

Each, 30c

VALERIANA

Garden Heliotrope.—Decorative plant for the rockery, with strong heliotrope odor.

Coccinea Rubra.—Rose-pink flowers. Each, 25c

VERONICA

Rupestris.—A fine rock plant, growing 3 or 4 inches high, thickly matted deep green foliage, hidden in spring under a cloud of bright blue flowers.

Each, 25c

VINCA

Myrtle (Minor).—An excellent dwarf evergreen trailing plant, used extensively for carpeting ground under trees and on graves; small dark green leaves.

Each, 20c; doz., \$2.00

VIOLETS

Of all the delightful perfumes, that of the Sweet Violet is the most delicate and pleasing, and places this modest flower among our greatest favorites. They commence to bloom as soon as the cold weather comes in the fall and flower even more profusely in the spring.

Each, 20c

WALL FLOWER

Double English.—A fine old hardy garden plant seen in every English garden. Grows about 18 inches high and produces early in the spring colored spikes of bloom in various shades of yellow and brownish red.

Yellow, Red or Crimson.—Each, 25c

Mixed.—All colors. Each, 20c; doz., \$2.00

YOU SHOULD READ

Better Flowers

A MAGAZINE DEVOTED TO ROSES AND FLOWER GARDEN CULTURE
IN THE PACIFIC NORTHWEST

We are authorized to accept subscriptions at the rate of \$1.00 per year. Send check or money order to Oregon Seed Company, 224 Yamhill St., Portland, Oregon.

OREGON-GROWN ROSE BUSHES

All two-year Field Grown, Budded and Postpaid.

	Each		Each
Admiral Ward, crimson-red.....	\$.75	Etoile of Feu, orange pink.....	.85
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Baby Crimson, crimson.....	\$.65	Frau Karl Drushki, snow white.....	.75
Baby Edith Cavell, red.....	.65	F. J. Grootendorst, carmine.....	.85
Baby Kirsten Poulsen, red.....	.85	General Jack, crimson scarlet.....	\$.65
Baby Orleans, light red.....	.65	General McArthur bright scarlet.....	.75
Baby Superba, deep carmine.....	.85	Gen. Sup. Janssen, carmine.....	.85
Baby Ketten, brilliant red.....	.85	George Arends, soft pink.....	.75
Baby Tausendschoen, pink.....	.65	George C. Waud, light red.....	.75
Baby Golden-Salmon, golden.....	.85	George Dickson, red.....	.75
Baron de Bonstettin, maroon.....	.75	Gloire Ched. Guin., velvety crimson.....	.75
Betty, coppery pink.....	.75	Golden Emblem, sunflower yellow.....	.85
Betty Upprichard, coppery red.....	.75	Golden Ophelia, yellow.....	.85
Briarcliffe, rose pink.....	.85	Gorgeous, orange yellow.....	.75
Captain Christy, delicate flesh.....	\$.75	Grange Colomb, creamy white.....	.85
Captain Hayward, crimson.....	.75	Gruss an Teplitz, scarlet crimson.....	.65
Captain Roland Clerk, scarlet.....	1.25	Geisha, orange yellow.....	1.50
Chas. K. Douglas, scarlet.....	.75	Gwyneth Jones, shell pink.....	1.50
Clarice Goodacre, creamy white.....	.85	Hadley, dark velvety crimson.....	\$.75
Columbia, peach blow pink.....	.75	Harry Kirk, sulphur yellow.....	.75
Cleveland, old rose.....	.80	Hawthorn Crimson, scarlet.....	.85
C. F. Meyer, silvery pink.....	.75	Hermosa, soft pink.....	.65
Constance, orange buds.....	.85	Hoosier Beauty, deep crimson.....	.75
Cuba, orange scarlet.....	1.00	Hortulaneous Fiet, ochre yellow.....	.85
Chateau de Clos. Voug., black.....	.75	Hortulaneous Budde, dark red.....	.75
Chereful, orange flame.....	.75	Hugh Dickson, red.....	.75
Dame Edith Helen, clear pink.....	\$1.00	H. V. Machin, scarlet crimson.....	.75
Dean Hole, silvery carmine.....	.75	Harrison Yellow, yellow.....	.65
Diadem, coppery orange.....	.75	H. R. Darlington, crimson.....	.85
Doris Traylor, salmon orange.....	1.50	Imperial Potentate, rose pink.....	\$.75
Dor. Page Roberts, copper pink.....	.75	Independence Day, orange pink.....	.85
Duchess of Athol, golden orange.....	1.50	Irish Elegance, orange to pink.....	.75
Duchess of Wellington, yellow.....	.85	Irish Fireflame, veined crimson.....	.85
Edel, pure white.....	.75	Irish Charm, golden apricot.....	.85
Edgar M. Burnett, dark pink.....	.75	Irish Charity, fiery scarlet.....	.85
Edith Part, rosy red.....	.75	Ivy May, rose to amber.....	1.50
Eldorado, golden buds.....	.85	Isabel, crimson, flushed orange.....	.75
Elvira Aramayo, reddish copper.....	1.00	J. B. Clark, blackish maroon.....	\$.65
Elsie Beckwith, rosy pink.....	1.00	Jean Forestier, carmine orange.....	1.00
Elegante, creamy yellow.....	.85	John Russell, velvety crimson.....	.85
Emma Wright, glistening orange.....	1.50	Jonkheer J. L. Mock, cherry red.....	.75
Etoile de France, velvety crimson.....	.75	Joseph Hill, salmon pink.....	.85
Etoile de Holland, best red.....	.85	Juliet, glowing pink.....	.75
		J. Otto Thilow, rose pink.....	.85

ROSES—Continued

	Each		Each
Kaiserin, creamy white.....	\$.75	Old Gold, reddish orange.....	\$.75
Killarney Brilliant, deep crimson.....	.75	Ophelia, light salmon.....	.75
Killarney Queen, bright pink.....	.75	Padre, coppery scarlet.....	\$.85
Killarney Double White, pure white.....	.75	Paul Neyron, deep rose.....	.65
K. of K., intense scarlet.....	.75	Persian Yellow, golden yellow.....	.65
La France, bright satin pink.....	\$.75	Pharisear, white to rose pink.....	.75
Lady Alice Stanley, coral rose.....	.85	Pilgrim, silvery pink.....	.75
Lady Ashtown, carmine pink.....	.75	Premier, dark pink, fragrant.....	.75
Lady Florence Stronge, gold pink.....	.85	President Cherioux, salmon pink.....	.85
Lady Hillingdon, orange yellow.....	.85	Prince de Bulgarie, silvery flesh.....	.75
Lady Inchiquin, orange cerise.....	1.00	Prince C. Rohan, maroon crimson.....	.65
Lady Margaret Stewart, yellow.....	1.25	Queen Alexandra, vermillion.....	\$1.00
Lady Pirrie, copper to pink.....	.85	Queen of Fragrance, shell pink.....	.85
Lady Roberts, reddish apricot.....	.75	Rapture, deep pink, tinted yellow.....	\$.85
Lady Ursula, flesh pink.....	.75	Red Letter Day, brilliant scarlet.....	.75
Laurent Carle, rosy carmine.....	.75	Rev. Page Roberts, rich yellow.....	1.00
Lord Charlemont, clear crimson.....	.85	Roselandia, golden yellow.....	1.00
Lord Lambourne, orange to scarlet.....	1.25	Rose Marie, bright red.....	.75
Los Angeles, flame pink.....	.75	Rose Hill, rosy pink.....	1.00
Louise C. Breslau, coral red.....	.85	Rugosa Rubra, scarlet.....	.75
Lulu, orange pink to copper.....	.75	Sensation, scarlet crimson.....	\$.75
Mabel Morse, bright golden yellow.....	\$1.00	Shot Silk, coppery rose.....	.85
Mme. Butterfly, gold and apricot.....	.75	Sir David Davis, deep crimson.....	1.00
Mme. C. Testout, satiny pink.....	.65	Souvenir Claudius Pernet, yellow.....	.85
Mme. Edouard Herriot, coral red.....	.75	Souvenir de George Pernet, red.....	.85
Mme. Jules Bouche, white, blushed.....	.80	Souvenir de George Beckwith, pink.....	.85
Mme. Jules Groléz, silvery pink.....	.85	Souvenir de H. A. Verssuren, yellow.....	.85
Mme. Leon Paine, salmon pink.....	.75	Sunburst, cadmium yellow.....	.75
Mme. Melaine Soupert, salmon yellow.....	.85	Scarlet Glory, scarlet.....	1.75
Mme. Ravary, golden cream.....	.75	Talisman, bright apricot.....	\$1.50
Mme. Ray Poincare, pale pink.....	.85	Toison d'Or, orange yellow.....	1.00
Mme. Segond Weber, rose pink.....	.75	Una Wallace, old rose.....	\$.75
Maman Cochet, pink, coral pink.....	.75	Ulrich Brunner, carmine red.....	.65
Maman Cochet, white, creamy white.....	.75	Ville de Paris, clear yellow.....	\$1.25
Marcia Stanhope, snow white.....	1.25	Wilhelm Kordes, golden salmon.....	\$1.00
Margaret McGredy, Oriental red.....	1.50	W. F. Dreer, orange pink.....	.75
Marian Cran, scarlet.....	1.00	W. R. Smith, creamy white.....	.75
Mary Pickford, dark, orange yellow.....	.85	Willomere, shrimp pink.....	.75
Miss Cynthia Ford, pink, fragrant.....	\$.85		
Miss Lolita Armour, chrome yellow.....	.75		
Miss Rowena Thom, rose pink.....	.75		
Miss Willmott, white, well formed.....	.75		
Mons. Julien Potin, yellow.....			
Mrs. A. R. Barraclough, pink.....	1.00		
Mrs. Aaron Ward, Indian yellow.....	.85		
Mrs. Alfred Tate, salmon.....	.75		
Mrs. A. R. Waddell, scarlet.....	.75		
Mrs. Beckwith, yellow, long buds.....	.85		
Mrs. Chas. Lamplough, carmine pink.....	.85		
Mrs. Charles Russell, rosy pink.....	.75		
Mrs. E. Pem. Thom, lemon yellow.....	1.50		
Mrs. Fr. Dennison, light pink.....	.85		
Mrs. F. R. Peirson, crimson.....	.85		
Mrs. W. F. Vanderbilt, orange red.....	.85		
Mrs. Henry Morse, salmon pink.....	.75		
Mrs. H. Bowles, rosy pink.....	.85		
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Mrs. W. C. Miller, bright red.....	.75		
Mrs. W. E. Nickerson, deep yellow.....	1.00		
Norman Lambert, orange scarlet.....	\$1.25		

STANDARD OR TREE ROSES

We can supply the following varieties, budded on three and four-foot upright stems.

No. 1, a perfect crown, at, each.....\$3.00

Betty

Columbia

Constance

Duchess of Wellington

Frau Karl Drushki

General McArthur

Golden Emblem

Gruss an Teplitz

Hadley

Hoosier Beauty

Hugh Dickson

J. B. Clark

Kaiserin

Lady Hillingdon

Los Angeles

Mme. C. Testout

Mme. Edouard Herriot

Sunburst

Souvenir de Claudius Pernet

Ulrich Brunner

W. F. Dreer

ROSES—Continued

CLIMBING ROSES

	Each		Each
American Beauty, rich red.....	\$.65	K. A. Victoria, creamy white.....	\$.75
American Pillar, rosy pink.....	.65	Lady Ashtown, pink.....	\$.75
Cecil Brunner, clear pink.....	\$.75	Lady Hillingdon, apricot.....	.85
Crimson Rambler, crimson.....	.56	Los Angeles, salmon pink.....	.85
Chatea de Clos Vouge., black.....	.75	Louise Breslau, coral red.....	.85
Dorothy Perkins, pink.....	\$.65	Marechal Niel, golden yellow.....	\$.85
Dorothy Perkins, red.....	.65	Mary Wallace, rose pink.....	.75
Dr. Van Fleet, flesh pink.....	.75	Mme. C. Testout, rose pink.....	.75
Emily Gray, yellow.....	\$.85	Mme. Edouard Herriot, coral red.....	.85
Eugene Jaquet, scarlet.....	\$.85	Pauls Lemon Pillar, pale yellow.....	\$.85
General McArthur, red.....	\$.75	Pauls Scarlet, vivid scarlet.....	.75
Gloire de Dijon, yellow.....	.75	Sunburst, golden yellow.....	\$.80
Hoosier Beauty, deep crimson.....	\$.85	Silvermoon, pure white.....	.75
		Star of Persia, bright yellow.....	.85
		Wm. Allen Richardson, copper.....	\$.75

ALL-YEAR TREATMENT AGAINST INSECTS AND DISEASE ENEMIES
OF GARDEN AND GROVE

VEGETABLES

Asparagus Rust—Spray with Dry Lime Sulphur or Fungi Bordo. Use according to directions on package.

Cut Worms—Mix 1 lb. Paris Green in 10 lbs. of bran. Add one quart black strap molasses and two lemons chopped fine. Mix the whole to a crumbly mass and scatter in the field.

Gras Hoppers—Same as for cut worms.

Mildew on Peas—Spray with Fungi Bordo. Follow directions on the package.

Potato Diseases—For scab and other fungi on potatoes, dip the tubers in a solution of one pint formaldehyde and 25 gallons of water allowing them to soak two hours.

FORMULA FOR CUTWORM AND GRASS-
HOPPER POISON FOR FIVE ACRES

Paris Green (or white arsenic).....	1 lb.
Molasses (cheap blackstrap preferably).....	2 qts.
Lemons (or oranges).....	½ doz.
Water.....	4 gals.
Bran (or alfalfa meal).....	25 lbs.

Grind lemons with meat grinder; mix all ingred-

ients thoroughly. Spread thinly to avoid danger to livestock.

Best spread in the late afternoon.

Tomato Worms—Pick off by hand or before fruit is half grown. Spray with Arsenate of Lead solution three to four level tablespoonfuls to one gallon of water.

Tomato Blight—Spray with Fungi Bordo, using according to directions on the package.

Slugs—Dust with Hammond's Slug Shot or Snarol.

Melon Blight—Spray the hill freely with Fungi Bordo so that the liquid will follow the stem several inches below the surface. This should be done as a precaution as well as for a remedy.

Climbing Insects—To prevent ants and other insects from entering trees, apply Tree Tanglefoot.

HOW TO KILL WEEDS IN LAWNS

Mix 1½ pounds Sulphate of Ammonia, ¼ pound Iron Sulphite, and 12 pounds plain sand. Mix well and distribute evenly over the entire lawn. It gives the best results if the grass is cut a few hours before applying so that the weeds will be exposed to the action of the chemicals. Results are the best on a hot bright day.

PREPARATION AND CARE OF THE VEGETABLE GARDEN

Prepare the Soil. To get good results the soil should be thoroughly drained; if low and wet put in a tile drain; it will pay. Cover the ground with well-rotted barnyard manure, a good covering of sheep manure, or a high-grade commercial fertilizer. This lightens the soil, increasing its power to hold water. Rake in a thin coating of hydrated lime (in fall or spring) on soils that crack when drying. It improves the physical condition of the soil, increases growth and healthfulness of crops.

Dig or plow the ground deeply (8 to 10 inches) without disturbing the subsoil, and have all of this loose ground thoroughly pulverized, then when ready to plant or sow, rake the surface with a Planet Jr. Pulverizer or with an iron rake, making it as fine and level as possible.

Preparation of the soil takes time and labor, but pays in the end, as it makes the sowing and cultivating easier and will give you larger and better crops.

Sowing. Radishes, onions, lettuce and other small seeds should be sown very shallow, not over ½ inch deep, larger seeds about 1 inch deep. Peas and beans 1 or 2 inches deep. In dry, hot weather sow and press down the soil 1 inch deeper than in wet weather.

Planting. Set out tomato, pepper, eggplants, etc., as soon as all danger of frost is past. Showery weather is best for this work or late in the afternoon to avoid the effects of the hot sun immediately after planting. Keep the plants thoroughly watered for a few days, and, where possible, keep shaded for two or three days until the plants take root.

BEAUTIFUL HARDY CLIMBING VINES

POLYGONUM AUBERTII

(Silver Lace Vine)

One of the most desirable flowering climbers we have ever grown. Of strong, vigorous, rapid, growth and producing throughout the summer and fall long graceful sprays of small, white, delicate flowers. Clean, neat foliage. Perfectly hardy. Makes a spreading, 15-foot growth the first season and to the top of the house the next season, and is cut back to eaves each fall. Always free of insects.

Each, 75c; Extra Strong Roots, \$1.00

CINNAMON VINE

A beautiful vine of rapid growth, suitable for porches, trellises, etc.; pretty white flowers of cinnamon-like fragrance. Perfectly hardy. Vines die in the fall but come up rapidly early each spring.

Small roots, 20c; 3 for 50c; large, 25c; 3 for 65c

HONEYSUCKLE

A beautiful climber, rapid grower and very desirable. Flowers very fragrant.

Your choice. Each, Small 75c; Large, \$1.00

Halleana.—Very popular; almost evergreen; flowers white, passing to yellow.

Belgica (Monthly Fragrant).—Flowers are large; color red and yellow; blooms all summer.

WISTARIAS

Sinensis Blue.—A very rapid growing, hardy climber; lovely long panicles of pale blue flowers, produced in the most wonderful profusion.

Each \$1.00; Strong vines, \$1.50

Sinensis Alba.—Like the preceding, but with beautiful white flowers in long panicles.

Each \$1.00. Strong vines \$1.50

Multiija.—Extra long panicles of deep blue flowers.

Each \$1.50

DUTCHMAN'S PIPE

Aristolochia Sipho.—A handsome, bright green luxuriant vine, having large foliage and brownish, pipe-shaped flowers. A strong rapid growth.

Each 75c

JASMINE

Nudiflorum.—Drooping branches, enveloped with bright yellow flowers before leaves appear.

Each \$1.00

KUDZU VINE

Kudzu Vine (*Puereria Thunbergiana*).—Large foliage and dense shade, growing 50 feet in one season. Flowers plentiful in August, rosy-purple, pea-shaped; in small racemes.

Each 50c

TRUMPET VINE

Bignonia Radicans (Trumpet Vine).—Strong climber; deciduous, flowers orange scarlet. Mid-summer.

Each 50c

Boston Ivy.—The popular climbing plant for covering brick, stone or cement walls, etc. Foliage rich olive green, turning to autumn tints in the fall.

Strong plants, 50c; extra strong, 60c

Virginia Creeper.—For covering trellises, arbors, etc.; large, deep green foliage; red berries in the fall.

Strong plants, 50c; extra strong, 75c

English Ivy.—Thick, leathery evergreen leaves.

Each 35c

CLEMATIS

Large flowering varieties, they are moderate growers and make a beautiful display. Your choice, \$1.50

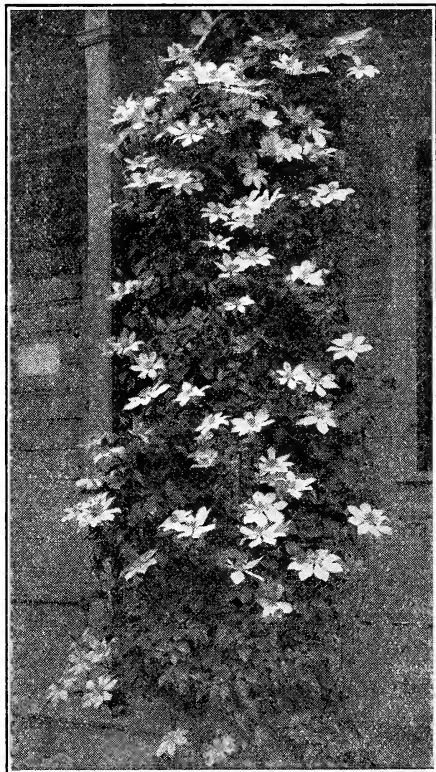
Henryi.—Very large pure white flowers in great freedom.

Jackmani.—Rich purple flowers in large clusters. The most popular variety.

Madame E. Andre.—Wine red flowers of medium size, produced freely.

CLEMATIS

Paniculata (Sweet-Scented Japan Clematis).—Of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy-green foliage. The flowers are of small size, pure white and borne in profusion in September and October. Each, 1-year roots, 35c; 2-year, 50c; 3-year extra strong, \$1.00.



PEAT MOSS

Imported granulated. A soil conditioner, not a fertilizer.

Granulated Peat Moss or Mull is a brown colored virgin soil, formed years ago by the growth and decay of mosses, aquatic plants, decomposed vegetable matter taken from the bottom of drained fresh water lakes. It is dried and packed under pressure into burlap wrapped bales about 3½ feet long and 2 feet square, weighing about 175 pounds. It's being shipped to America from Germany and Holland in car load, yes, even boat load lots. It's a product nurserymen, horticulturists, florists and gardeners have wanted for years. It is a moisture retaining humus; an important aid in saving soil fertility. Adds humus to the soil, making the ground more pliable and improves the general texture and condition. Conserves moisture in light, sandy soil; contributes effective drainage and lightens heavy soil.

Used in landscape work, lawns, vegetable gardens, flower beds and in potting soil, as a mulch over seeds or plants. It is really a wonderful factor in many ways. In all garden books and magazines, especially of English origin, you read about the great value of peat.

We can supply in original bales, in coarse or fine grade, or we have it reground and put up in 2-bushel sacks. Prices: Original bale, \$3.00. Fine ground in 2-bushel sacks, \$1.25.

FRUIT TREES

Our shipping season for the above is from November 1 to April 1. Some seasons May 1, although it is too late for best results. We advise late fall or early spring planting while stock is dormant.

How We Ship—Unless otherwise instructed, we ship by express or freight, whichever is cheapest, and the buyer pays the charges.

Care of Stock Upon Arrival—If you are not ready to plant, dig a trench and "heel" in. If ground is frozen, put in a cellar and keep roots damp.

Positively No Nursery Stock Sent C. O. D.

APPLES

Unless otherwise priced	Each	Per 10
One year, 2 to 4 feet.....	\$.60	\$5.00
One year, 4 to 6 feet.....	.85	7.50
Selected trees	\$1.00—1.25	

Write for our low prices per 1000.

SUMMER

Red Astrachan—Large, deep crimson, white flesh.

Red June—Medium, oblong, deep red.

Early Harvest—Medium, bright straw color.

Yellow Transparent—Medium, roundish, pale yellow.

Duchess of Oldenburg—Large, yellow, streaked with red.

AUTUMN

Alexander—Large, greenish yellow, streaked with red.

Fameuse—Medium greenish yellow, streaked with red.

Gravenstein—Large, beautifully dashed with red and orange.

Maiden's Blush—Medium, yellow, red cheek.

Red Beitigheimer—Very large, cream colored, covered with crimson.

Waxen—Medium, pale yellow.

WINTER

Baldwin—Large, deep bright red.

Akansas Black—Medium, dark maroon.

Ben Davis—Medium yellowish, covered with red.

Delicious—One of the best.

King—Very large, yellowish, shaded with red.

Jonathan—Medium, light yellow, covered with red stripes.

Spitzenberg—Large, yellowish, broken with stripes of bright red.

Northern Spy—Large, greenish yellow, covered with purplish red stripes.

Tolman's Sweet—Medium, whitish yellow, slightly tinged red.

Wealthy—Medium, whitish yellow, shaded deep red.

Winesap—Medium, yellow, streaked red.

Rome Beauty—Large, yellow, shaded with bright red.

Yellow Bellflower—Large, yellow.

Winter Banana—Yellow, bluish cheek, sub-acid, medium size.

Bismarck—The apple novelty; everyone should try it; tree of short, stocky growth, thick, healthy foliage; fruit large, handsome, yellowish, sometimes shaded red cheek; flesh tender, pleasantly sub-acid; entirely new; seldom failing to bear when two years old.

CRAB APPLES

Price, 75c each.

Transcendent—Very large, yellow, striped red.

Yellow Siberian—Fruit small, golden yellow.

Red Siberian—Fruit small, red.

Hyslop—Large, dark crimson.

Florence—Medium, red striped.

APRICOTS

	Each	Per 10
4 to 5 feet	\$1.00	\$8.00
3 to 4 feet .....	.75	6.50

Moorpark—Very large, yellowish green, shaded brown.

Breda—Medium, orange color.

Tilton—Large, rich color.

Royal—Above medium, rich and juicy.

✓ The Lewis—The new Lewis Apricot is the largest strongest growing, best yielding, best flavored apricot we have ever seen, and is perfectly hardy.

CHERRIES

Unless otherwise priced	Each	Per 10	100
One year, 3 to 4 feet.....	\$.85	\$ 7.50	Write
One year, 4 to 6 feet.....	1.25	10.00	Write
Selected trees	2.00		

Bing—The largest black, good shipper.

Black Tartarian—Large size.

Lambert—The finest dark cherry grown.

Late Duke—Large, rich dark red, sub-acid.

Montmorency—Most popular sour cherry

Royal Ann—The finest yellow cherry grown.

Kentish—The finest sour cherry grown.

PEACHES

Unless otherwise priced	Each	Per 10	100
One year, 3 to 4 feet.....	\$.75	\$ 6.50	Write
Selected trees	1.00	8.00	Write

Early Crawford—Very large, yellow, red cheek.

Elberta—Very large, bright yellow, red cheek.

Foster—Large yellow, dark red cheek, early.

Hale's Early—Medium, greenish, mottled red, flesh white.

Late Crawford—Very large, yellow, dark red cheek.

Salway—Large, creamy, yellow, brownish red cheek.

Alexander—Large, greenish white, with deep maroon.

Muir—Large, clear, yellow.

✓ Golden Cling—Good size, yellow flesh.

Mayflower—Beautiful red all over; extremely early; tree hardy and healthy. Last of June. Freestone.

Tuscan Cling—Very large; yellow, blushed red. Vigorous; strong grower; July, August.

J. H. Hale—A valuable table, shipping and drying peach. Smooth skin, almost fuzzless. Very firm. Ships almost like an apple. Yellow freestone; flesh tender, excellent quality. Larger than the Elberta and ripening about the same period.

QUINCE

One year old	\$1.00 each
Selected trees	1.25 each

Orange—Large golden.

Champion—Very large, bright yellow.

Pineapple—Flavor is suggestive of the pineapple; the fruit resembles the orange quince; making superior jelly; can be eaten raw and has a most exquisite and delicious flavor, not equaled by any other quince. September.

PEARS

	Each	Per 10
First Grade, 1 year, 4 to 6 feet.....	\$1.00	\$8.00
First Grade, 1 year, 3 to 4 feet.....	.75	6.50

AUTUMN VARIETIES

Bartlett—Large; skin thin, clear, lemon yellow, with soft blush on the sunny side; flesh white, buttery, very juicy and highly flavored; the best summer pear in existence. August, September.

Bourre Boac—Large, beautiful, russety; highly flavored; fine for shipping. September.

Bourre D'Anjou—Large, handsome, fine flavor; tree vigorous; heavy bearer; keeps till Christmas. September.

Comice—A splendid commercial variety, being of fine size; good appearance; ships well. October.

Fall Butter—A favorite fall pear; yellow, sweet and juicy. September.

Flemish Beauty—Large, beautiful, rich and sweet; pale yellow with slight russet. Adapted to Montana and the Northwest.

Seckel—Rich and highly flavored; its highly concentrated, spicy, boney flavor is unequalled; skin brownish green, russet brown cheek. September, October.

WINTER VARIETIES

P. Barry—Fine keeper. Very large, juicy, fine grained, yellow. December, March.

Winter Bartlett—This fine pear originated in Eugene, Oregon. Fruit large, closely resembling the famous Bartlett in shape and appearance, but ripening considerable later; flavor almost identical with the Bartlett; is undoubtedly one of the few pears of recent introduction of real merit.

Winter Nellie—Medium; skin yellowish green, dotted with gray russet; flesh yellowish white; fine grained, of a rich saccharine, aromatic flavor. December.

PLUMS

Unless otherwise priced	Each	Per 10
One year, 3 to 4 feet.....	\$.75	\$6.00
One year, 4 to 6 feet.....	1.00	8.00
Selected trees	\$1.25-	1.50

Prinlew—A valuable new variety, produced by H. A. Lewis. A heavy and sure cropper. Plums of large size; skin yellow, overspread with bright red when fully ripe; a handsome looking plum and the rich, golden flesh is firm, but juicy; fine grained and most delicious of all, either raw or cooked. It's good as a peach. Stands handling and shipping well. Ripe in August. If you only have room for one plum, plant a Prinlew.

Abundance—Large, flesh yellow, early.

Bradshaw—Large, reddish, purple.

Columbia—Large, brownish, purple.

Clyman—Medium, mottled, reddish purple.

Damson—Small, skin purple, oval.

Damson—Shropshire—Medium size, dark purple; firm; flesh greenish, juicy and rich. Vigorous. Late September.

Green Gage—Small, round, green flesh.

Peach—Large, brownish red, flesh yellow.

Reine Claud—Large, greenish, marked red.

Satsuma (Blood Plum)—Quite popular; large, dark red from skin to pit, which is small, firm and juicy; tree productive. Early July.

Washington—Large, dull yellow with crimson blush.

Yellow Egg—Large, deep golden yellow.

PRUNES

Unless otherwise priced	Each	Per 10
One year, 3 to 4 feet.....	\$.50	\$4.00
One year, 4 to 6 feet.....	.65	5.00
Selected trees	75c-	1.00

French—Medium, egg shaped, violet purple.

Italian—Medium, oval, dark purple.

Hungarian—Very large, dark red.

Sugar—Large, dark purple.

Giant—The largest, dark crimson.

Silver—Very large.

New Standard—(Burbank Production)—The trees are enormous and never failing bearers, and good, healthy growers. Well grown fruits measure four and a half inches the long way. Skin purple, with a heavy blue bloom; flesh amber or honey yellow, fine grained, juicy, yet firmer than most other drying prunes, very sweet and a perfect freestone.

NECTARINES

Selected Trees, 75c Each.

Boston—Large, deep yellow, bright flush; flesh yellow; very rich and luscious. Best for Oregon. August 1.

Early Violet—Medium; skin pale, shaded violet; flesh white; good. July.

CORY THORNLESS BLACKBERRY

The thornless blackberries are of recent introduction. They have proved to be of great value—all that has been claimed for them. No thorns, thereby easier and quicker picked, more productive, more profitable; of trailing nature.

Will out-yield and out-class any other blackberry. Larger and sweeter and having a flavor more like the wild berry; superb for jelly, jams, wine or served fresh; small core, almost seedless, firm and will ship well. Yield well the first year and come into full bearing the second after planting.

PRICES

Each, postpaid	\$.35
Per 10, prepaid	2.50

BLACKBERRIES

	Each	Per 10	100
Price	\$0.25	\$2.00	\$15.00

Lawton—Fruit very large, very productive, well and favorably known; Oregon's most popular kind.

Evergreen—An Oregon introduction: beautiful lacinated foliage, which it retains all winter; berries long, black, sweet, rich and delicious; ripens from July to November.

Himalaya Giant—An exceedingly strong, rampant grower of a trailing nature; ever-bearing; an enormous yielder. The berries are large, juicy, coreless, sweet and firm, with a delicious aromatic flavor.

RASPBERRIES (Red Caps)

Prices except where noted. Not prepaid.

	Each	Per 10	100
One year	\$0.15	\$1.25	\$7.00

Cuthbert—Deep rich red, large and firm; one of the best market berries. Ripens medium to late.

Marlboro—Standard, light crimson, large, very firm; good commercial variety; ripens early.

RASPBERRIES (Black Caps)

Prices except where noted. Not prepaid.

	Each	Per 10	100
Two years	\$0.25	\$2.25	\$20.00
One year .....	.20	1.50	8.50

Gregg—Of good size, fine quality, very productive and hardy. Takes same position among black caps as Cuthbert among the red sorts.

Plum Farmer—Large, black, hardy and productive. One of the very best.

DEWBERRY

Lucretia—Fruit ripens between the raspberry and blackberry. Berries large, handsome, sweet and luscious; trailing vines, strong plants.

Each 25c; per doz., \$2.50; 100, \$12.50; 1000, price on request.

GOOSEBERRIES

Federal quarantine prevents shipment of gooseberries into the State of Washington.

	Each	12	1000
One year old	.....	\$0.15	\$1.50 Write
Two years old	.....	.20	2.00 Write

Oregon Champion—Berries large, round and pale green; fine for table use and pies, hardy, strong and a very prolific bearer; most popular and best commercial variety. Low prices by the thousand. Write.

CURRENTS

Federal quarantine prevents shipment of currents into the State of Washington.

	Each	12	100
One year old	.....	\$0.25	\$2.50 \$15.00

NUT TREES

GRAFTED WALNUTS

We offer a splendid strain of Franquettes; the best variety for this section, grafted on four-year California Black Walnut—sturdy, thrifty trees with big fibrous roots. The best to plant. Comes to bearing much younger than seedling walnut.

Size	Each
8 to 10 feet	.....\$2.50
10 to 8 feet	.....2.00
4 to 6 feet	.....1.50

ALMONDS (Nut Bearing)

3 to 5 feet, Each 75c; per 10, \$6.00.

I. X. L.—A vigorous grower and sure cropper, producing nuts of large size and handsome appearance; shell thin; most popular commercial.

CHESTNUT

3 to 5 feet. Each, 75c; Per 10, \$6.00.

American Sweet—Makes a handsome shade tree; full medium size, sweet and well flavored.

Mammoth Japanese—A variety we import from Japan; yields much the best and largest fruit.

Spanish—A valuable species both for ornamental

GRAPES

The grape is the easiest of all fruits to grow. The plants take little room, they thrive despite neglect and every year they produce their wealth of beautiful, health-giving fruit. With its roots in any old nook you can lead it away in any direction to provide a grateful shade for the pump, or for a restful seat, a border for a walk or climbing on the wall or house—East, West, North or South, on hill or in valley, on poor soil or rich, the grape grows, thrives, bears; it never disappoints. Plant a few vines or a large vineyard—make your own grape juice—jams, marmalade, jelly; and have plenty to eat fresh from your own vines.

One year old, Each, 15c; 12, \$1.25; 100, \$7.50. Unless noted.

Campbell's Early—Berries large, nearly round, black, with light purple bloom; flesh rather firm but tender; quality rich, sweet, slightly vinous; a strong and vigorous grower. August. Price, Each 25c.

Concord—Large, black grape; bunches compact; berries round, sweet and pleasant. August.

Each 15c; 12 for \$1.25.

Delaware—One of the finest of our native grapes; grows freely and is perfectly hardy; ripens early; berries small, light red. August. Each, 25c; 12, \$2.50.

ROOTS AND PLANTS

ASPARAGUS ROOTS

We can furnish the varieties listed below in selected one-year-old roots. We are not handling two-year or older stock, the one-year-old roots are used by all experienced growers and are the best size for transplanting.

Pedigreed Washington—New rust resisting variety. 25c per doz; \$1.00 per 100; \$7.00 per 1000.

Palmetto—One of the most popular varieties grown and especially good for shipping and canning. Shoots are light green, slightly tinted pink.

One-year-old plants—Postpaid, 30c dozen; 50c per 50; \$1.00 per 100. By express or freight, \$7.00 per 1,000.

Perfection—New; largest and most prolific currant; bright red, rich flavor, mild sub-acid; no currant can approach in yield or quality this wonderful new currant.

Cherry—Very large, deep red, fine for preserving; valuable market variety.

Fay's Prolific—Bright red, very sweet, stems are longer than Cherry and fruit hangs on better than most varieties. To be planted with Cherry.

LOGANBERRY

The loganberry is generally larger than the blackberry, often an inch and a quarter long; color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry. Fruit ripens early; excellent for jelly or jam. June.

Prices, prepaid, well-rooted plants. Two-year old, each 25c; 10 for \$2.25; 100 for \$20.00. One-year-old, each 15c; 10 for \$1.35; 100 for \$12.50.

FILBERTS

Plant more of them.

Barcelona—Magnificent large nut from Spain, first quality; can be grown as low standard tree or bush. 2 to 3 feet. Each 75c; 10, \$5.00.

Du Chilly—The largest Filbert on Pacific Coast. Nuts are broad, 1 inch by ¾ of an inch; full fleshed and sweet; best grown as low standard. Special prices on large orders. Du Chilly is a good pollinizer for Barcelona. 2 to 3 feet. Each 65c; 10, \$5.00.

HICKORY

Shellbark—Popular Eastern variety; tree hardy but slow grower. Nuts medium size; very good. Quality excellent. 3 to 5 feet. Each \$1.50; 10, \$12.50.

BUTTERNUT

A beautifully formed tree bearing a rough coated nut of most attractive flavor, well known to the middle West. Succeeds fairly well in the Pacific States. Price, each \$1.50.

Eaton—Vigorous grower; very productive. Bunches large, compact. Fruit large, round, black. September. Each 25c.

Lucile—Early red. A dark red grape, medium to large berry and bunch, excellent quality, keeps well and ships well. In vigor, health, hardiness, productiveness, it is surpassed by no other variety, and it is practically immune to fungous diseases. It is one of the most beautiful hardy grapes and it sells at high prices. Should be in every home vineyard. Each 25c; 12 for \$2.50.

Moore's Early—Bunch medium; berry large, resembling Concord, but more pulp and is earlier. 25c each; 12 for \$2.50.

Niagara—Bunch medium; berry large, roundish, uniform; skin thin but tough; pale yellow; flesh tender and sweet; vine vigorous and productive; one of the best white grapes. September. Each 15c; 12 for \$1.25.

Worden—Bunch very large and compact; berry large, black; an improved Concord. Late August. Each 15c; 12 for \$1.25.

Flaming Tokay—Large, light red; flesh firm and sweet; fine table sort and a good shipper. September. Each 25c; 12 for \$2.50.

HORSERADISH

Sets planted in May, small end down, with the top one inch below the surface, in rich, well-cultivated soil, will form radish of large size in one season's growth. Of the common variety, we offer small roots, 8 for 20c; 25c per dozen, or 90c per 100, postpaid. By express or freight, per 100, 75c. Write for price in quantity.

RHUBARB ROOTS

15c each; \$1.50 doz. postpaid. By express, 25 \$2.00, not prepaid.

BROAD-LEAVED EVERGREEN TREES AND SHRUBS

ABELIA

A beautiful, low-growing, bushy, small-leaved evergreen, with dark green, glossy leaves, bearing small clusters of beautiful pink to white flowers from June until late fall. Very popular.

Nice plants, \$1.00; specimens, \$1.50 to \$2.50.

AUCUBA

Japanica—Japan evergreen, with shining foliage and red berries. Each \$1.00 and up.

Japanica Variegata—Green and yellow foliage; very showy. Large plants for immediate effect. Each \$2.00 to \$3.00.

BOXWOOD (Buxus)

Pyramidal Boxwood—Cone shaped plant of great beauty. 2 to 2½ feet, each \$5.00; 2½ to 3½ feet, each \$6.00.

Globe Boxwood—Trimmed in shape of a globe. Each \$2.50 to \$5.00.

Boxwoods for Hedges and Borders—Write for prices on quantity desired.

BROOM

Scotch—Branches drooping covered in spring with bright yellow flowers. 2 to 3 feet, \$1.25.

White Flowering—Same as Scotch; flowers white. 3 to 4 feet, \$1.00.

Spanish—Upright, branches leafless, superior to Scotch. Blooms continuously throughout the summer. 3 to 4 feet, 75c.

CAMELLIA

Camellia—Small trees with shining waxy leaves, and beautiful waxy flowers, very much resembling a small rose. We are only able to offer these in assorted colors. 1½ feet high, Each \$2.50.

DAPHNE (Odora)

Japanese shrub with waxy light green foliage, pink and white flowers in early spring of wonderful fragrance. Well rooted. No color guarantee.

Each \$2.00 to \$3.50.

COTONEASTER

C. Horizontalis (Trailing Cotonaster)—Low growing with horizontal branches, dark leaves. Fruit bright red. Each \$1.50.

C. Franchetti—A large sized shrub of graceful droopy habit, covered with a mass of red berries in Fall. Each 75c to \$1.50.

C. Simonsii—A pretty shrub of upright growth, bright leaves and white pinkish flowers, covered with large red berries all winter. Fine for massing.

Each 75c to \$2.00.

HOLLY (Ilex)

English (Aquifolia)—Prickly, dark green foliage; grows moderately fast, covered during the winter months with bright red berries. Prices, Berry-bearing trees, per foot, \$1.00; nice trees, \$2.50 to \$6.00. ordinary stock, per foot, 75c; nice trees, \$1.50 to \$3.

LAUREL

English—Handsome, large-leaved, shining foliage. Excellent for large hedges or screens or as single specimens. Each 35c to \$2. Extra large, \$3 to \$5.

LAURISTINUS

Luxuriant dark green foliage, with clusters of small white flowers in winter. 1 to 2 feet.

Each \$1.00 and up.

LONICERA

Nitida (Evergreen Bush Honeysuckle)—New evergreen shrub, slender branches with bright glossy foliage. Excellent for massing or tub plant. There is no better evergreen shrub for the price.

Each \$1.00 to \$1.50; Trimmed pyramidal shape, \$2.50.

OREGON GRAPE

Mahonia Aquifolia—Official flower for the state of Oregon. Each 75c to \$2.00.

PORTUGAL LAUREL

Beautiful slow growing laurel, dark green glossy leaves, small, very compact.

18 to 24 in., Each \$2.00; 24 to 30 in. Each \$3.00.

PRIVIT (Ligustrum Ovalifolium)

Golden Privit—Beautiful variegated shrub to plant among evergreens, giving a wonderful effect.

2 ft., Each \$1.00 to \$1.50.

California Privit—Our best plant for hedges. Plant in double row 2 feet apart, 6 inches between plants. 18 to 24 in., 10 plants \$1.00, 100 for \$7.50. 24 to 30 in., 10 plants \$1.25, 100 for \$10.00.

PYRACANTHA

Evergreen Thorn—Tall growing, long narrow leaves, small white flowers, followed by orange berries all winter. We have orange-scarlet and orange-yellow berried plants. Each 75c to \$1.50.

RHODODENDRON

Grafted varieties. Very scarce. Each \$8.00. Seedlings, Each \$3.00.

VERONICA

These are dwarf shrubs of rather recent introduction, but coming into great favor in landscape planting. They are from 10 inches to 3 feet in height, with small evergreen foliage and white, pink and red flowers. Price 75c to \$2.00.

Buxifolia—Very dwarf growth, light green foliage. 75c to \$1.00 Each.

Cupressoides—Grows to 3 feet. Fine foliage, resembling a conifer.

Glaucophylla—With pointed leaves of a glaucous color, 2 feet.

Traversii—The best known variety. White flowers.

ORNAMENTALS—SHADE TREES

Trees 6 to 8 feet and about 1 in. Caliper unless otherwise stated.

ASH, White	\$1.50
BIRCH, Eup.	1.50
BIRCH, Cut-leaf, 4 to 6 feet	2.50
BOXELDER, Sil., 4 to 6 feet	1.50
CATALPA, West	1.50
CATALPA, Um., 5 to 6 feet	3.00
CHERRY, Japanese Flg., 3 to 5 feet.....	1.50
CRAB, Flowering, Bechtel Dble., 3 to 4 feet.....	1.25
CRAB, Scheidecker, 3 to 4 feet.....	1.50
DOGWOOD, Pacific	1.50
ELM, American	1.50
ELM, English	1.50
GOLDENCHAIN (Laburnum)	1.50
HORSECHESTNUT	1.50
LINDEN, 4 to 6 feet.....	1.00
(American or European)	
LOCUST, Com. Blk.....	1.00
LOCUST, Honey	1.00
MAIDENHAIR TREE, 3 to 5 feet.....	1.00
MAPLE, Oregon	1.50
MAPLE, Norway	1.50
MAPLE, Silver	1.50
MAPLE, Sycamore	1.50
MAPLE, Sugar	1.50
MOUNTAIN ASH, Eup., 5 to 6 feet.....	1.25
MULBERRY, Russian	1.00
OAK, Common Red, 8 to 10 feet	2.00
OAK, English	1.50
OAK, Pin	1.50
OLIVE, Russian, 3 to 4 feet.....	1.00
PLUM, Dbl. Flg.	1.50
PLUM, Purp. Leaf, 3 year.....	1.50
PLUM, Purp. Leaf, 1 year.....	1.00
PERSIMMON, Jap., 5 to 6 feet.....	1.50
POPLAR, Balm of Gilead.....	1.50
POPLAR, Carolina	1.00
POPLAR, Lombardy	1.25
POPLAR, Silver	1.50
PLANE, Tree (Sycamore).....	1.50
THORN, White	1.50
THORN, Red	3.00
TULIP, Tree, 3 to 4 feet.....	1.00
WILLOW, Babylon, 4 to 6 feet.....	1.25
WILLOW, Golden	1.50
WILLOW, Wisconsin	1.25

DECIDUOUS SHRUBS

ALMOND (Prunus)

Pink Flowering (P. Japonica)—Well known early dwarf shrub. Double clear pink little roses festoon the gracefully bending branches. Each \$1.50.

ALTHEA (Rose of Sharon)

Late summer blooming shrub that continues on up into the fall when color is scarce, bearing flowers that closely resemble the Hollyhocks in color and size. Colors pink, white or red. Each \$1.00.

AZALEA

A Mollis—Low growing shrub that in the early spring is covered with gorgeous flowers before the leaves appear. Each \$2.50.

BARBERRY

Thunbergii—A beautiful Japan variety of dwarf habit. Small foliage, changing to beautiful red in Autumn. Bright scarlet berries all winter.

Each 60c; 75c and \$1.00.

BUDDLEIA (Butterfly Bush)

Magnifica—Lovely long spikes of lilac-colored flowers. Summer and Fall. Attracts butterflies. Small plant, 50c; large 75c.

DEUTZIAS

Lemoinei—Flowers very large and produced in broadbased, cone-shaped heads of from 20 to 30 flowers each of purest white, 3 to 4 feet. 75c Each.
Pride of Rochester—Flowers very early, double; pure white, tinged with blush; great profusion. Grows 6 to 8 feet. 75c Each.

Gracilis Rosea—Dwarf growing with sprays of pretty light pink flowers late in the Spring. A beautiful shrub. 75c Each.

FORSYTHIA (Golden Bells)

Intermedia—Blooms early in Spring, before the leaves appear, when it is covered with golden bell-like flowers, 2 to 3 feet. Each 60c to 75c.

Fortunei—Upright; makes fine single specimens; golden flowers in profusion in April. Each 60c to 75c.

HYDRANGEA

Paniculata Grandiflora—Immense panicles of bloom, from July to November, creamy white, pink flush. Prune back in early Spring about half of previous year's growth. Hardy everywhere for cemetery planting. 2 to 3 feet, 75c; 3 to 4 feet, \$1.00.

Otaksa—One of the most popular lawn plants. The flowers run in shades of pink, blue and white, mineral in soil often changing them to two or three shades in one. Fine for shady places. Ea. 75c to \$1.50

LILAC (Syringa Vulgaris)

Common Purple—Very fragrant, an old favorite. 3 to 4 feet, 75c; 10, \$6.00.

Common White.—Same as above, flowers white. 3 to 4 feet, 50c; 10, \$4.50.

MOCK ORANGE (Philadelphus)

Grandiflora—Flowers large; slender twig habit. 3 to 4 feet. Each 50c; 10, \$4.50.

Hybrid—2 to 3 feet. Price 50c.

QUINCE

Japenica (Japan Flowering)—Blossoms vary from the richest scarlet to the most delicate blush color; the fruit is deliciously fragrant, but not edible. 2 to 3 feet. Each \$1.00.

SNOWBALL

Common—Flowers globular, pure white, in May. 3 to 4 feet. Each 75c.

Japanese—Flowers pure white, delicate large globular heads in May. 2 to 3 feet. Price \$1.00.

SPIRAEAS

Spiraea Thunbergii—Charming spiraea with graceful form and abundant blooms. 75c.

Billard's (S. Billardi) — Flowers red in dense spikes, blooms most of summer. 75c.

Van Houtte's Bridal Wreaths (S. Van Houttii)—Very graceful; flowers white in round clusters. May. 75c.

Crimson—Anthony Waterer (S. Bumalda)—A most desirable variety, having deep red flowers. 75c.

WEIGELIA

Candida—Flowers white, bush tall. Price 75c.

Rosea—Flowers red, one of the best. Slightly dwarf. Price 75c.

Variegated—Leaves become silver white. Price 75c.

Evergreens

ARAUCARIA

Imbricata (Monkey Puzzle)—A fine tree of regular pyramidal form; leaves bright green, overlapping each other; 8 to 10 inches. Price \$1.00 each.

ARBORVITAE

American—18 to 24 inches. Native, known as white cedar. Foliage bright green, yellow-green underneath; brown and bronze in winter. Each \$2.50.

Golden — Elegant; habit regular; foliage tinged with gold in spring. Price, Each \$3.00.

American Variegated Pyramidal — Foliage dark green. Price, Each \$3.00.

CEDRUS

Japanese Cedar (Cryptomeria Elegans)—Beautiful delicate green foliage and graceful habit, color changing to reddish brown in winter.

Price \$1.00 to \$2.50 each.

Deodar or Indian Cedar (C. Deodara)—Very handsome; branches drooping; foliage silvery green. Very popular. Each \$2.50.

CYPRESS (Cypressus)

Allumii—Handsome pyramid shaped conifer. Foliage greenish-blue. \$2.00 to \$3.00 each.

Cypress Lawson's (Chamaecyparis Lawsoniana) Graceful and conspicuous; branches horizontal, slightly pendulous; foliage dark green. \$1.00 to \$2.50 each.

Italian—Bright green. Very compact in growth, nothing finer in upright type. 2 to 3 ft. each \$2.50; 3 to 4 ft., \$3.00.

HEMLOCK (Tsuga)

Western (T. Hookeriana)—Very beautiful and appealing; branches pendant and foliage deep green. Each \$2.50.

JUNIPER (Juniperus)

Irish (J. Communis Hibernica) — Pyramidal in form, foliage silvery gray. Very striking. Each \$2.00.

RETINOSPORA

Plumosa—An exceedingly handsome, acorn-shaped evergreen of medium tall growth, from Japan, with feathery, light green foliage. \$3.00 each.

SPRUCE (Picea)

Norway (P. Excelsa).— A lofty, rapid grower; branches drooping. Fine for hedge or wind-break. \$1.00 to \$2.00 each.

Colorado (Pungens)—The original form of the famous Blue Spruce; foliage sometimes quite blue, mostly light green. A vigorous grower and hardy, making fine specimens in a broad based, sharply defined pyramid form; foliage rigidly angular with sharp needles very densely set. \$3.50 each.

Poultry Supplies and Remedies



A DISINFECTANT WHITE PAINT

Health Paint is a white paint and a powerful disinfectant in powder form. Ready to use when mixed with water. Easily and quickly applied to wood, brick, stone, cement, etc., and over whitewash. One pound will cover 100 square feet.

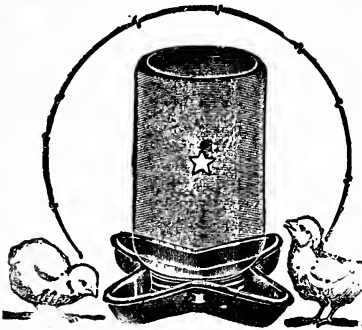
Prevents the start and spread of contagious diseases among poultry and other livestock. An effective aid in getting rid of lice and other parasites.

You can spray it, brush it or dust it. Will not clog a sprayer. Doesn't spoil by standing, is always ready, and retains its strength. It dries out a pure white, and does not blister or flake off.

Has no superior as a dusting powder for fighting lice and mites on poultry, cattle, horses, etc. A very effective deodorant for dropping boards, floors, stables, kennels, garbage cans, etc.

Low in cost and an excellent disinfectant white paint.

5-lb. carton, 85c; 10-lb. carton, \$1.50



Our Star Chick Fountain and Feeder, made in one size only, which will fit any Mason jar. (We do not furnish the glass jars.)

Price, each 10c.

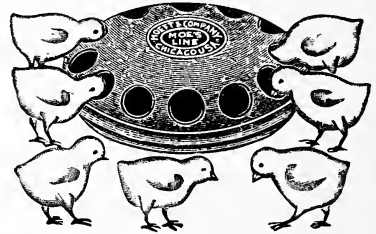
Add postage if wanted by mail.



Moe's Round Mason Jar Fountains, made in one size and fits any Mason jar.

Price, each 10c

Add postage if wanted by mail.



MOE'S ROUND BABY CHICK FEEDERS

The most popular baby chick feeders on the market. Chickens cannot upset it. Made in two popular sizes:

No. 11—Moe's Round Feeders, diameter 6 in. with 8 feeder holes. Each 15c.

No. 12—Moe's Round Feeders, diameter 8 1/4 in., with 12 feeder holes. Each 25c.

Add postage.



No. 39—IDEAL PUNCH

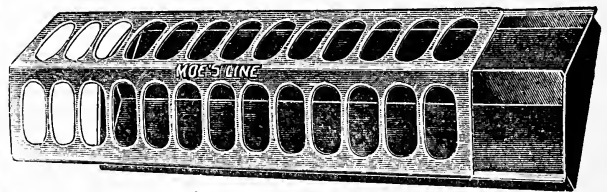
Moe's Ideal Punch, a new improved punch, scissor type. Works easily, cuts clean and does not pinch the foot. Nickel-plated finish.

Price, each 35c

No. 38—Moe's Poultry Punch

Punches a clean hole in the web between the toes and will not bruise the foot. Guaranteed to work perfectly.

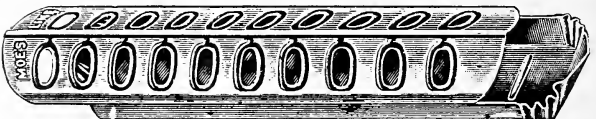
Each 15c



MOE'S DOUBLE-FEEDING TROUGH For Chicks and Growing Stock

Made of best quality galvanized iron, accurately stamped with dies. No sharp or rough edges to injure the chicks. Sliding top. Easy to fill and clean. Made in three sizes.

	Length	No. of Holes	Each
No. 58	12 in.	18	\$0.35
No. 59	18 in.	26	.50
No. 60	24 in.	36	.55

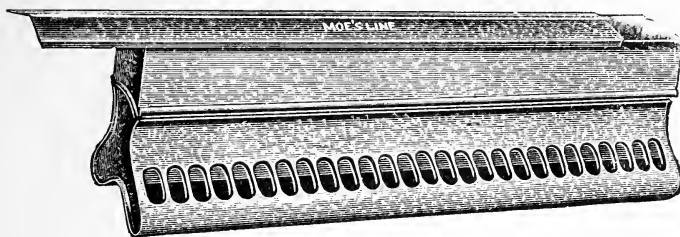


HEAVY TIN BUTTERMILK FEEDERS

Feeding Troughs in tin plate, sliding top, easy to clean. No seams, rivets or solder. Clean, sanitary feeders.

	Length	No. of Holes	Each
No. 137	10 in.	10	\$0.30
No. 138	20 in.	20	.40

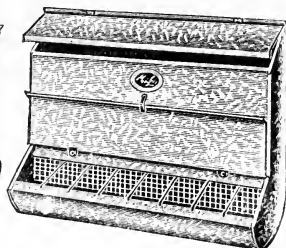
POULTRY SUPPLIES AND REMEDIES—Continued



MOE'S ONE FORTY ONE FEEDER

No. 141.—Feeder, capacity 17 quarts, length 35 in., width 8½ in., height 7 in. 27 openings on each side, so that 54 chicks can feed at one time. Packed one in a carton. Shipping weight 8 lbs. each. Each \$1.80.

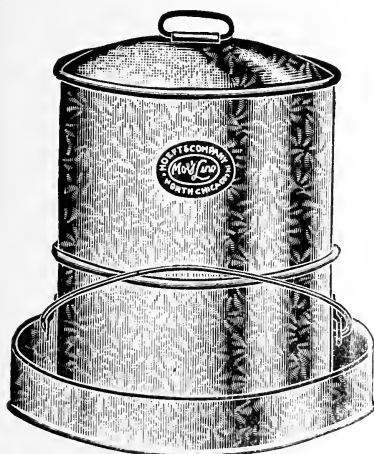
No. 140.—Feeder, capacity 10 quarts, length 21 in., width 8½ in., height 7 in. 16 openings on each side, so that 32 chicks can feed at one time. Packed 6 in a carton. Shipping weight 22 lbs. per carton. Each \$1.40.



DRY MASH HOPPERS

Moe's Dry Mash Hoppers are made of heavy, tight-coated, best quality galvanized iron.

No.	Hgt. In.	Width In.	Capac. Qts.	Price Each
35	19	8½	10	\$1.50
36	19	12	14	2.05
13	19	18	22	2.35
37	19	24	32	3.00



MOE'S "TOP-FILL" FOUNTAINS

Easy to Fill and Keep Clean

Fill the fountain in the morning and the chickens have an all-day's supply of pure water at just the right temperature.

The best and most popular fountain on the market. Made in three sizes.

No.	Capacity	Price Each
No. 1	1 Gallon	\$1.65
No. 33	2 Gallons	2.65
No. 34	4 Gallons	3.15



No. 4



No. 3



No. 2



No. 1

- No. 1—For Baby Chicks.
No. 2—For Leghorn Chickens.
No. 3—For Rhode Island Reds or Rocks.
No. 4—For Turkeys or Geese.

Durable, practical, economical. Provide instant identification without handling the birds. You can identify birds as far as you can distinguish the colors, which will tell you the yearling hens and which are older, your different matings, and so on. Fine for baby chicks. Made in ten colors—Red, White, Pink, Amber, Light and Dark Blue, Black, Purple, Green and Garnet. Do not fade and weather-proof.

Order by number—state color wanted.	
12 bands	.....\$0.15
25 bands	......25
50 bands	......40
100 bands	......65
500 bands	.....3.00
1000 bands	.....6.00

Postpaid.



MOE'S ALUMINUM LEG BANDS

No. 130—Aluminum, with extra large raised numbers. Easy to read, adjustable for any size fowl. Quickly applied.
Package of 12 25 50 100 500 1000
Price15 .25 .45 .75 3.50 6.00

MOE'S GRIT AND SHELL BOXES

The feeding of grit, ground shells and charcoal is recognized as an essential part of the diet, to keep fowls in healthy, prime condition. There is no more economical method of supplying grit, etc., than with these practical, inexpensive compartment boxes.

Can also be used as feed hoppers for little chicks.

Made of heavy galvanized steel in three sizes. No solder used in their construction.
No. 45—Grit Box for baby chicks. Has two compartments. Each45c
No. 9—Grit Box. Has three compartments. Each85c
No. 90—Grit Box. Has four compartments. Each\$1.20

MOE'S DIXIE FEEDING TROUGH

Made of best quality galvanized steel, accurately stamped with dies. The round troughs are easily filled and cleaned, and have a turned in flange to prevent waste of feed.

Fitted with a heavy wire top guard to keep the chicks out of the feeder, and this guard is adjustable so it can be raised as the chicks grow, making these feeders suitable for chicks several weeks old.

No. 460—Moe's Dixie Feeder. Length 18 in. Price, each.....25c
No. 462—Moe's Dixie Feeder. Length 30 in. Price, each.....40c

Dr. Hess' Stock and Poultry Preparations

Prescriptions of Dr. Hess (M. D., D. V. S.)

DR. HESS POULTRY PAN-A-MIN

Pan-A-Min has been known to poultry raisers for more than 30 years as Dr. Hess Poultry Pan-a-ce-a.

It is now a greatly improved product. More minerals have been added. It contains new medicinal ingredients and other active ingredients in different proportions. The improved product has been given a new name. Dr. Hess Poultry Pan-A-Min means Pan-a-ce-a plus.

Pan-A-Min is of high value to moulting hens, in egg production, in reducing chick mortality, in bone and feather growth and in maintaining health.

It does not take the place of feed and no feed can take the place of Pan-A-Min. The cost is less than a penny per hen per month.

150 Hen Size (25-lb. pkge.).....	\$3.50
90 Hen Size (15-lb. pkge.).....	2.25
40 Hen Size (7-lb. pkge.).....	1.25
20 Hen Size (3-lb. pkge.).....	.65

FOR WORMS IN POULTRY

Dr. Hess Poultry Ver-Mi-Trol is a flock treatment. No individual handling of birds is necessary. It is simply given with the feed in two 10-day courses, three weeks apart, with Dr. Hess Poultry Pan-A-Min feed regularly.

As a preventative measure, to avoid worm infestation, a twice-a-year flock treatment, early summer and late fall, is strongly recommended.

300 Hen Size (25-lb. pkge.).....	\$7.50
125 Hen Size (15-lb. pkge.).....	3.25
50 Hen Size (4-lb. pkge.).....	1.50
20 Hen Size (1½-lb. pkge.).....	.60

DR. HESS POULTRY TABLETS

(Formerly Roup Tablets)

While there is no absolute cure for roup, Dr. Hess Poultry Tablets are of high value in treating locally the swellings incident to the disease.

The tablets are used as a local antiseptic and to medicate the drinking water. Thus used, they aid in preventing spread of the disease. Once the tablets are in solution, they remain so permanently. The water is evenly medicated and requires no further stirring.

Package (225 tablets).....	\$1.00
Package (100 tablets).....	.50

DR. HESS CHICK TABLETS

(Formerly White Diarrhea Tablets)

Most diarrhea conditions in chicks, often mistaken for bacillary white diarrhea, are the result of improper feeding or brooding, and can be corrected by Dr. Hess Chick Tablets. These tablets are a bowel astringent to be given in drinking water.

Package (225 tablets).....	\$1.00
Package (100 tablets).....	.50

DR. HESS ANTISEPTIC POWDER

A ready help in emergencies, deserves a place on every stable shelf. For treatment of wire cuts, scratches, galls and wounds. Quickly forms coating over wound and starts healing.

Equally valuable for household use, for scalds, burns, chaffing. An excellent shaving powder—soothing, cooling, relieves soreness.

4-oz. package25c
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DR. HESS INSTANT LOUSE KILLER

Kills lice on stock and poultry. Easily applied by putting in dust bath. Hens work it down into the feathers where the lice are. It kills lice on contact. It is also applied directly to the fowl if badly infested.

Kills lice and bugs on cucumber, squash and melon vines, slugs on rose bushes. It is non-poisonous, so may be used on edible plants with entire safety. Comes in handy sifting top cans.

2½-lb. package	\$.60
1-lb. package .....	.30

DR. HESS STOCK TONIC

This product has been serving the dairy interests of the country for upwards of 35 years.

A summary of many comparative tests, covering three whole years, shows that cows receiving Dr. Hess Stock Tonic produce, on the average, 54.9% more profit than cows not getting the Tonic.

The Tonic has been recently improved in keeping with latest scientific discoveries and feeding practices. All the minerals proved necessary to the heavy producing dairy cow have been added. This conditioner and mineral supplement whets the appetite, sustains the milk flow well through the lactation period and is a valuable aid in calving.

25-lb. package	\$3.50
15-lb. package	2.25
5-lb. package .....	.85

DR. HESS HOG SPECIAL

A Conditioner and Mineral Supplement for Hogs Only

Dr. Hess Hog Special is an appetizer, laxative and diuretic—also a perfectly balanced mineral supplement. It supplies, in all-sufficient quantities, every mineral necessary to the hog's growth and thrift.

Hog Special makes possible common-sense worm control. It is given in the feed. No fasting or individual dosing is necessary. By giving continuously in the feed, worms are combated by vermifuges and vermicides that are always in the system. It greatly retards worm reinfestation.

The cost of using Hog Special is only 12½ cents per pig per month. Put up in 25-lb. and 15-lb. cartons.

25-lb. package	\$3.50
15-lb. package	2.25

DR. HESS DIP AND DISINFECTANT

A dip that makes a perfect milk-white emulsion—never any streaks or settlings. Remains in emulsion indefinitely. It is a standardized product with an established carbolic acid co-efficient; always uniform in strength, no matter where purchased.

Because of its strength, its uniformity, its perfect emulsifying qualities, with its germ and insect killing powers, it is a most inexpensive dip to use. Valuable about barns and stables—kills hog lice and other parasites and keeps down foul odors.

1-gallon can	\$2.25
½-gallon can	1.25
¼-gallon can .....	.75

DON SUNG MAKES HENS LAY

We guarantee you more eggs or no pay. "Hens won't lay in fall and winter," used to be accepted as a fact. But anyone who has tried Don Sung knows that hens will lay right through the zero spells of winter, and all other cold or wet seasons. Some may doubt this—and you may be one of them. But if you don't at least try Don Sung, you are missing some sure, easy profits from extra eggs.

Costs nothing to try.—Give Don Sung to 15 hens for 30 days. If it doesn't show you a big increase in eggs; if it doesn't pay for itself and a good profit, your money will be promptly refunded. Prices: Trial size, 50c; large size, \$1.00, holds three times the 50c size; special size (6 times the \$1.00 size), \$5.00.

LEE'S FOODS AND REMEDIES FOR STOCK AND POULTRY

THE GENUINE MERIT of the LEE FOODS and REMEDIES is their best guarantee, and you can depend upon them absolutely to do all that is claimed for them. The valuable booklets of the Lee Company are free to poultry-keepers and stockmen, and contain reliable and complete information to date on poultry and stock-feeding problems. We mail them on request.



More than 75% of all chickens are infested with intestinal worms, according to poultry authorities — worms which rob a fowl of its food, lower vitality, decrease egg production, retard growth—rob you of your poultry profits.

The GIZZARD CAPSULE will quickly rid your chickens of both tape worms and round worms. Five times as effective as worm remedies given in food or drink. Why? The GIZZARD CAPSULE is insoluble and carries the medicines intact to the gizzard where it is broken like a grain of corn, releasing the medicines into the worm-infested intestines in full strength and undiluted.

As easy to administer as giving a pill. Suitable for chicks at 10 weeks (2 lbs.) to full grown. Don't feed worms. Stop this waste and increase your profits. Give GIZZARD CAPSULES now. Satisfaction guaranteed or money refunded.

The Marvelous Gizzard Capsule is made in two sizes—adult size and chick size, and used as follows:

ADULT SIZE

(One adult size equals three chick size.)

- One for full-grown chickens. (Not bantams.)
- One for full-grown turkeys.
- One for half-grown chicks. (4 lbs. and up.)
- One for half-grown turkeys. (6 lbs. and up.)
- Two for turkeys over 15 lbs.

CHICK SIZE

- One for chicks 1 to 2 lbs. Including bantams.
- One for turks 2 to 4 lbs.
- Two for chicks 2 to 4 lbs. Including bantams.
- Two for turks 4 to 6 lbs.

No need to weigh each bird but weigh a few so you will be able to judge reasonably close of their weight.

Adult size Gizzard Capsules are put up in three different size packages: 50 capsule pkg., \$1.00; 100 capsule pkg., \$1.75; 500 capsule pkg., \$7.00.

The chick size is put up in two different size packages: 100 capsule pkg., \$1.00; 500 capsule pkg., \$4.50.

LEE'S WHITE DIARRHOEA REMEDY—The best medicine for this dangerous disease of little chicks. Wt. 2 lbs., 12-oz. bottle 50c.

LEE'S HOG REMEDY—Cures all diseases of hogs and keeps them healthy. 7½-lb. pkg., \$1.50; mailing weight 9 lbs.; 25-lb. pail, \$3.00.

LEE'S DIP—For lice, ticks, mange, itch or scab, on cattle, sheep and hogs. Qt., 75c; ½ gal., \$1.25; 5 gals., \$8.00. Mailing weights: Qt. 3 lbs.; ½ gal. 5 lbs.; gal. 10 lbs.

LEE'S WORM POWDER—For horses, cattle, sheep and hogs. Safe and sure in results. Pkg. 35c; wt. 1 lb.



TWICE a week add Germozone to the drinking water as a safeguard against White Diarrhoea, Coccidiosis and bowel troubles. It keeps the crop pure and sweet and combats germs and digestive disorders—a real life-saver for chicks. A most effective remedy for Colds, Roup and Swelled Head. Just as valuable for half-grown and mature fowls.

Germozone is the best remedy and preventive we know of—has been for over thirty years. That's why it is so widely imitated.

We can also supply you the wonderful new GIZZARD CAPSULES—they rid poultry of worms without sickening the chickens, slowing up laying or affecting fertility. Come in or phone us.

Health for the entire flock. Liquid, not prepaid: 4-oz. bottle, 40c; 12-oz., 75c; 32-oz., \$1.50.

LEE'S LIQUID LICE KILLER—For 20 years the Standard. Destroys either by vapor or contact. No trouble to apply; just paint the roosts or wall at night. Rids poultry and houses of all vermin; is prepared exclusively for this purpose. Qt. 60c; ½ gal., 90c; gal., \$1.50; 5 gals., \$6.00.

LEE'S EGG MAKER is not a tonic nor a medicine, but a meat food of great value. It will make hens lay, chicks grow, and keep them all in a healthy vigorous condition. 2-lb. pkg., 50c; 5-lb. pkg. \$1.00; 25-lb. pail, \$3.25.

LEE'S HEADLICE OINTMENT—For little chicks. Large box, 15c.

LEE'S LOUSE POWDER—1-lb. can, 30c.

EGG-O-HATCH and EGG-O-LATUM

Don't get the two names mixed.

Egg-O-Hatch is a dry powder. It is mixed with water and the resulting liquid is applied to eggs two or three times during the 21 days of incubation. It is a liquid that does three things—supplies oxygen for the growing chicks; absorbs carbon-dioxide given off; makes more brittle and porous the shell of the egg. Price 50c, postpaid 55c. Will treat 600 eggs.

Egg-O-Latum is a white cerate. Rubbed over the shell of the egg it seals every pore so no air, moisture, odors, or germs can get in. Preserves the egg in all its original freshness. The application of Egg-O-Latum is easily and quickly done. A dozen a minute and they will keep a year. Fresh eggs must be used, unfertile ones are best. Price \$1.00, postpaid \$1.10.

FARM AND FIELD SEEDS

SPECIAL PASTURE MIXTURE

Mixture for Burned-Over Land.—In grading and cleaning grasses and clovers we frequently find combinations that are difficult of preparation, and while the seeds are often of excellent germination and quality, they cannot profitably be separated and cleaned, so we blend them to produce pasture mixtures suitable for sowing on burns and logged-off land. In ordering state whether for high or low lands. Price per 100 lbs., \$15.00; special prices by the ton.

VETCHES

NOTE—All Vetch is scarce and higher than usual. Buy early if you need any.

Oregon Vetch (*Vicia Sativa*).—Oregon's greatest forage plant. Often called Fall Vetch. Grown very extensively in Western Oregon and Washington, especially in the Willamette Valley and on the Oregon coast. It furnishes an abundance of excellent feed, either green or dried. The seed is generally mixed with wheat, oats or rye, having a stiff straw to hold it up. Sown alone 85 pounds, or 60 pounds with a bushel of grain, per acre. Sow in the fall or early spring. Prices: 10 lbs., \$1.00; 100 lbs., write; per lb., postpaid, 20c.

Hungarian Vetch.—Becoming more popular each year on account of its strong, healthy growth. Its aphid resistance is probably the largest single factor toward making it a more generally grown vetch in Western Oregon.

It's a heavier yielder, both in hay and seed, than any other vetches grown here under similar conditions. Prices: 10 lbs., \$1.00; 100 lbs., write; per lb., postpaid, 20c.

Hairy Sand or Winter (*Vicia Villosa*).—This variety thrives on poor, arid, sandy soils. It is sown in the fall or spring, mixed with rye, which serves to supplant the plants. Sow 20 lbs. per acre. Prices: 10 lbs., \$2.00; per lb., postpaid, 40c; 100 lbs. write.

CHEAT SEED

Cheat seed yields a good crop of hay. Sow in the fall or early spring, about 100 pounds per acre. 10 lbs., 60c; 100 lbs., \$3.00.

BUCKWHEAT

Silver Hull.—A very good and popular variety; grain is of a light gray color; has a thin husk; matures early and yields heavily; a good milling variety. Per lb., postpaid, 25c; 10 lbs., \$1.50; 100 lbs., write.

Japanese.—Good yielder, ripens early; excellent for bees to work on, as it remains in bloom longer. Per lb., postpaid, 25c; 10 lbs., \$1.50; 100 lbs., write.

FLAX SEED

Western grown, large plump seed. New crop selected, re-cleaned. The flax industry in Oregon will greatly stimulate the planting of flax. Write for special information and quantity prices. 1 lb., 20c; postpaid, 100 lbs., \$12.00, f. o. b. Portland.

MILLETS

Sow in April, May or June, 20 pounds for seed or 35 pounds for hay per acre. Must be sown early to mature in Willamette Valley.

Japanese Barnyard Millet.—Also called Billion Dollar Grass. Entirely distinct from any other millet. Grows 6 to 8 feet high and produces an enormous crop, often yielding 15 to 20 tons of green feed per acre. This millet is exceedingly palatable and is the best of the summer green feeds for the cool coast sections. It is used almost exclusively for green feeding purposes. Excess yields of the millet may be stored in the silo, or may be made into hay. It is principally used for green feeding to dairy cows, but may also be used in connection with other stock feeding. Sow the seed at 15 to 20 pounds an acre. Our seed is the genuine Japanese Barnyard Millet and not the common water grass sometimes substituted. Standard variety. 10 lbs., \$2.00, postpaid. Write for quantity prices.

Early Fortune.—This variety seems to do extra well here; try it. Heads large and loose, and seed is amber red and three times as large as the Common Golden. Makes good poultry feed. 10 lbs., \$1.25; 100 lbs., write; per lb., postpaid, 25c.

Liberty (German).—An improved variety yielding a larger crop of seed than the Common Millet; it

is also taller than the Common Golden, and yields a heavier crop of hay. Seed small, golden yellow. 10 lbs., \$1.25; 100 lbs., write; per lb., postpaid, 25c.

SEED OATS

Shadeland Climax.—This grand oat belongs to the tree or branching class, and is a vigorous, healthy grower of strong stooling qualities. This is one of the heaviest yielding oats introduced to date. It does not produce much straw, but the yield of "thin hulled," plump, heavy grain, even on high, dry land, is amazing. For early spring planting, large yield and quick maturity, Climax is a winner. If you live west of the Cascade Mountains, you can plant Climax fall or spring, any time the ground is fit, but where the climate is severe, spring plantings are best. Prices: Per bu., \$1.25; 100 lbs., write. By mail, postpaid, 4 lbs., 50c.

Write for quantity price, stating amount wanted.

Shadeland Eclipse.—"Eclipse" is generally classed as a spring oat and is one of the best white side oats grown. Eclipse is enormously productive, early very vigorous and produces massive heads filled with medium size plump grains. "Eclipse" has been awarded many prizes. Can be safely planted in the fall as it is very hardy. Prices: Per bu., \$1.25; 100 lbs., write. By mail, postpaid, 4 lbs., 50c.

Write for quantity price, stating amount wanted.

Gray Winter.—Gray Winter Oats are very hardy, and are generally used for fall sowing, and are especially useful for sowing with vetch. The straw grows very long, is stiff and not liable to lodge. It is a head oat. The grain is dark gray, large and plump, and it yields well.

Prices: Per bu., \$1.00; 100 lbs., write.

White Seed Oats.—Aside from the named varieties of fancy seed oats above, we can supply White Valley Oats at market price for fancy re-cleaned stock. Write for prices when ready to buy, stating quantity wanted or order at \$1.00 per bu., and we will ship full value more or less according to market.

SUNFLOWER

Mammoth Russian.—The best variety to grow for the seed or silage. Planted in or around the poultry runs they make a good shade during the hot summer days and at the same time produce a valuable feed.

Cultivation same as corn. For silage sow 12 to 20 lbs. per acre; for seed purposes, give more space to mature heads, 5 lbs. per acre. Heavy, re-cleaned seed, high germination. Pkt., 5c; oz., 10c; 4 ozs., 20c; lb., 40c; 10 lbs., \$3.00, postpaid. Write for quantity price.

KAFFIR CORN

An excellent fodder plant. Seed small and almost round, valuable poultry and pigeon food. It does best sown thinly in drills three feet apart.

10 lbs., \$1.00; per lb., postpaid, 25c.

RAPE, DWARF ESSEX

We offer you true, pure seed. One of the best forage plants on account of the large amount of green feed it will produce at a season of the year when everything else is dried up. It has yielded ten tons of green forage per acre, and has twice the feeding value of green clover. Sheep, swine, cattle and poultry eat it readily. Rape will do well on almost any soil. Prepare the ground as for turnips, and sow any time from May till September; or plant it with grain. Sow, per acre, three pounds, in drills; or if broadcast, five pounds.

10 lbs., \$1.25; 100 lbs., write; per lb., postpaid, 25c.

SEED RYE

When ready to buy Fall or Spring Rye Seed, write us for quotations on quantity wanted or send in your order and we will give full value. 10 lbs., 60c; 100 lbs., write; per lb., postpaid, 15c; 3 lbs., 35c.

FARM AND FIELD SEEDS—(Continued)

FIELD CORN

These varieties have all been grown especially for seed. The seed is well cured and true to name. There is no longer any doubt as to corn being grown successfully in the Northwest, and careful tests have proven the following to be adaptable to our coast climate. As a fodder crop corn cannot be excelled, and cut green and packed in silos it makes a valuable green feed for milch cows.

Pride of the West.—Oregon grown; acclimated. A grand success in Oregon. We have been raising this variety for years, and by selecting the earliest ripening and best select ears, now have a strain that is a revelation to many people who have thought Oregon and Washington could not raise profitable field corn.

Pkt., 10c; lb., 15c. Postpaid.

Write for price on large quantities.

Minnesota No. 23.—A White Dent is the earliest heavy yielding white corn for the Northwest; it is a little earlier than Minnesota No. 13.

Pkt., 10c; lb., 15c. Postpaid.

Write for price on large quantities.

Champion White Pearl.—A large, White Dent variety; very popular with our dairymen on account of the great amount of green feed it makes.

Pkt., 10c; lb., 15c. Postpaid.

Pride of the North, Dent.—A quick growing yellow Dent variety, thriving well where the summers are not very long. Bright golden color. Not Oregon, but Eastern grown.

Pkt., 15c; 100 lbs., write for price.

Minnesota No. 13.—A variety of great promise, being the earliest of the early yellow Dent corns and reported to be the heaviest yielding. Producing splendid large ears, closely filled from end to end with bright yellow kernels. Grows about seven feet high and being a rapid, vigorous grower, with heavy foliage, makes a fine fodder corn. Will mature in ninety days under favorable conditions.

Large pkt., 10c; lb., 15c. Postpaid.
100 lbs., write for price.

Sugar Corn for Green Fodder.—We offer seed of Sugar Corn which is especially grown for fodder purposes, being of quick growth and early maturity. Sown at the rate of two bushels per acre in drills four feet apart, it makes a splendid stalk six to eight feet in height, which are of the finest quality for feeding green, cutting for ensilage, or curing for fodder.

Pkt., 10c; lb., 30c. Postpaid.

COW or THOUSAND HEAD KALE

Plants in Season

The great demand for this wonderful forage plant proves it to be the most valuable green feed for Pacific Coast dairy and stockmen; endorsed by agricultural colleges and government stations. Cow Kale should be grown in the same manner as cabbage. Make the rows 4 feet, plants 3 feet apart in the row. Can be set as late as July. Write for full information on planting and feeding. A quarter of a pound of seed will produce enough kale plants for one acre. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Jersey Kale.—Large, heavy, massive plants with giant, broad leaves. It gives enormous production and is becoming very popular for feeding. This variety produces by far the largest crop. We offer seed of our own growing. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.00; 3 lbs. or more at 90c, postpaid.

Giant Marrow.—Enormous plants on tall heavy stalks. The leaves are very broad and heavy and combined with large stalks, often 3 inches in diameter, make a heavy yield of feed.

Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00

FIELD PEAS

A very profitable crop and grown here very extensively. They can be grown alone or with oats. When planted with grain and cut green they make a large amount of very rich feed; also very valuable for enriching the soil if plowed under. We can supply White Field or Blue Bell varieties. Write for prices.

MANGELS

FOR STOCK FEEDING

Giant Half Sugar Mangel.—Yields as much per acre as the best mangels and twice as much per acre (bulk or roots) as the rich sugar beet. Roots grow very large above the ground. Smooth, creamy white in color and very nutritious. Easily pulled. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 10 lbs., \$5.00

Mammoth Long Red.—Very popular and much used. A large and heavy cropper. Dark red skin, with whitish flesh; grows one-half or more above the ground; roots quite regular; attain a very large size. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 10 lbs., \$5.00.

Danish Sludstrup.—An improved variety, considered one of the best. Awarded first class certificate. Color, reddish yellow, and of a distinct type. It is very hardy, grows well above ground; is easily pulled; very nutritious. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 10 lbs., \$5.00.

Golden Tankard.—An enormous yielder of weight per acre, and at the same time very nutritious; flesh deep yellow, of fine shape, growing largely above ground, thus being easily harvested. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 10 lbs., \$5.00.

TURNIPS

FOR STOCK FEEDING

Cowhorn.—Sometimes called Long White. Slightly crooked. Pure white except a little shade of green at the top. Grows half out of the ground and is of very rapid growth. Is delicate and well flavored. Has proved itself one of the best stock turnips ever introduced in Oregon; an immense yielder.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 80c

Large White Norfolk.—A white variety, usually attaining a very large size. Extensively grown for stock feeding. The leaves are also used for greens. It is hardy and may remain in the ground all winter. Yields very large crop.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 80c

Yellow Aberdeen.—Round, medium size; light yellow. Produces a large crop; is hardy and keeps well; flesh very firm but tender and sweet. A great favorite with the dairymen.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 80c

Pomeranian White Globe.—One of the most productive kinds, and in good, rich soil, roots will frequently grow to 12 pounds in weight. It is of perfect globe shape; skin white and smooth; leaves dark green and of strong growth.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 80c

RUTABAGA

Monarch or Tankard.—Very solid, fine grained, of fine flavor; grows well out of the ground and yields large crops. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 80c

White Sweet Russian.—Excellent for table or stock. Very large size; white, solid, sweet and rich; keeps well. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 80c

Grass and Clover Seed

STAIGREEN SPECIAL LAWN GRASS MIXTURE

Prepared from the choicest re-cleaned grass seeds, carefully selected for their fineness, their deep rooting, close growing habits and seasonable qualities; producing an ideal, dense velvety turf of lasting quality that remains green throughout the year. Sow one pound to 200 square feet.

1 lb., 65c. Postpaid.

SHADY LAWN MIXTURE

Especially selected for producing a fine velvety lawn under first and shade trees where most grasses do not thrive.

1 lb., 70c

CERTIFIED CREEPING BENT GRASS

This variety differs from Pacific Creeping Bent in that it is a true type and not a mixture. It is more suited to highlands than ordinary bent grasses. Astoria Bent requires much less moisture. Astoria Creeping Bent is raised under the most careful supervision. The higher cost is well repaid in the superiority of results.

1 lb., \$1.50.

IMPORTED CREEPING BENT GRASS

This furnishes an unusually fine turf on ordinary soils. It is very hardy and thrives in both summer and winter owing to the fact that it is a mixture of various varieties of bent grown under nearly all conditions.

1 lb., \$1.00; 10 lbs., \$9.00. Postpaid.

WHITE DUTCH CLOVER

Extra Fancy, the very finest quality for use on lawns. Makes an attractive lawn while grass is getting a good start.

1 lb., 60c; 10 lbs., \$5.50. Postpaid.

KENTUCKY BLUE GRASS

For Lawns.—Blue Grass is used very extensively for lawns and is found in all good lawn grass mixtures.

Our extra Fancy seed is unexcelled for weight and purity. Few dealers handle this high grade re-cleaned seed on account of its cost. This seed, straight or mixed with Fancy White Clover, is excellent for lawns.

Extra Fancy, 10 lbs., \$5.50; per lb., postpaid, 60c; 100 lbs., write.

ENGLISH RYE GRASS

A strong-growing, hardy perennial grass, noted for its nutritive qualities. It is equally valuable for both grazing and hay. It grows very rapidly and makes a good showing quicker than most grasses.

10 lbs., \$1.50; 50 to 100 lbs., 10c lb., per lb., postpaid, 30c.

ITALIAN RYE

A quick-growing grass, attaining a height of 2½ to 4 feet; very desirable for meadows or permanent pastures; thrives best on soils that are slightly moist; makes fine hay.

Imported seed, 10 lbs., \$1.30; 50 to 100 lbs., @ 10c; per lb., postpaid, 30c.

RED TOP

Agrostis Vulgaris.—Red Top is a very hardy, permanent grass, forms a tough sod, is good in pasture mixtures and is especially valuable on wet ground where other grasses will not thrive. We have only fancy re-cleaned seed, free from chaff. Only about one-half as much of this seed is required as of the seed in chaff usually sold. Ten to fifteen pounds per acre is sufficient.

Per lb., 50c

ORCHARD

Of the greatest value in permanent pasture mixtures; thrives best in moist, shady places, but will withstand drought exceedingly well. Will do well under trees, or shady places. Valued for hay crop, as it is very nutritious if cut early.

10 lbs., \$3.00; 50 to 100 lbs. @ 27c; per lb., postpaid, 35c.

TIMOTHY

As a hay crop, timothy is unsurpassed by any other grass. Thrives on ordinary soil, but succeeds best in a moist loam.

10 lbs., \$1.20; 50 to 100 lbs. @ 10½c; per lb., postpaid, 25c.

ROUGH STALK MEADOW

For shady places under trees or wood pasture.

Per lb., postpaid, 70c

LADINO WHITE CLOVER.—Tall growing white clover and makes sufficient growth to be cut for hay. grass.

CHEWING FESCUE

Recommended for lawns and golf links. It is a fine-leaved low-growing grass that forms a compact turf. Does well on all soils, even on dry sandy soils.

10 lbs., \$5.00; per lb., postpaid, 60c

MESQUITE

It is usually sown on virgin soil, without cultivation, after the ground has been burned over.

Fancy Hulled Seed, 10 lbs. at \$2.50; 50 to 100 lbs. at 22c; per lb., postpaid, 35c.

BROMUS INERMIS

On account of its strong perennial character, and its wonderful drought-resisting powers, is the best grass we have for the semi-arid regions of the Northwest. Very heavy yielder.

10 lbs., \$2.10; 50 to 100 lbs. @ 19c; per lb., postpaid, 35c.

BERMUDA GRASS

(*Cynodon dactylon*)—Suitable only for climates where the winters are not below the freezing point. It stands the hottest and driest season. Sow 6 lbs. per acre.

1 lb., 85c; 10 lbs., \$7.80. Postpaid.

CRESTED DOG'S TAIL

(*Cynurus cristatus*)—A perennial grass with short, narrow leaves; valuable for lawns or pastures on dry, light land; makes excellent sheep pasture. Use 20 lbs. per acre if sown alone.

1 lb., 70c; 10 lbs., \$6.30; postpaid.

ALFALFA

Reports prove that Alfalfa will grow in all parts of the West, but requires a deep, loose soil. Will not thrive on heavy clay or where there is hard pan. As soon as cut it immediately commences to grow. Excellent hay or pasture. Alfalfa, once established, is a crop so profitable that every farmer may well take great care to get a stand.

Common Alfalfa.—Price: 10 lbs., \$3.50; 50 to 100 lbs. at 32c; per lb., postpaid, 40c.

Dry Land Alfalfa.—For high, dry, hot land, where irrigation is impossible.

Price: 10 lbs., \$3.50; 50 to 100 lbs. at 32c; per lb., postpaid, 40c.

Grimm Alfalfa.—This new variety is very hardy and will stand much more tramping and root injury. In many Western sections it is out-yielding the common variety and proving much more profitable. It is a little earlier and will do well in most all soils except undrained meadows. Not affected by extreme heat or cold, and does better in a wet climate than any other alfalfa. We offer the genuine true Grimm seed.

Prices: 1 lb., postpaid, 55c; 10 to 20 lbs. at 43c lb.; 100 lb. prices on request.

RED CLOVER

Hardy, and succeeds well on any good soil. The most popular variety.

10 lbs., \$3.50; 50 to 100 lbs. at 30c; per lb., postpaid, 40c.

ALSIKE CLOVER

Valued highly for sowing with other grasses. Excellent for hay and pasture; valuable for bees; resists both drought and excessive moisture.

10 lbs., \$3.50; 50 to 100 lbs. at 30c; per lb., postpaid, 40c.

CRIMSON CLOVER

Trifolium incarnatum.—An annual, useful principally as a cover crop or to plow under. Sow 15 pounds per acre. Write for prices.

MAMMOTH RED CLOVER

Trifolium Medium.—Grows very rank and coarse, and is used mostly for a fertilizer, for plowing under. Sow eight to twelve pounds per acre.

Lb., 50c; 10 lbs., \$4.50

WHITE SWEET CLOVER or BOKHARA

Melilotus Alba.—A biennial, used to some extent for hay and pasture, but most valuable for bee pasture. Sow twenty to thirty pounds per acre.

clover which furnishes an excellent yield of good pasture. Will carry twice as much stock per acre as blue

1 lb., postpaid, \$1.25

GRASS SEED PRICES ARE SUBJECT TO CHANGE. WRITE FOR PRICES.

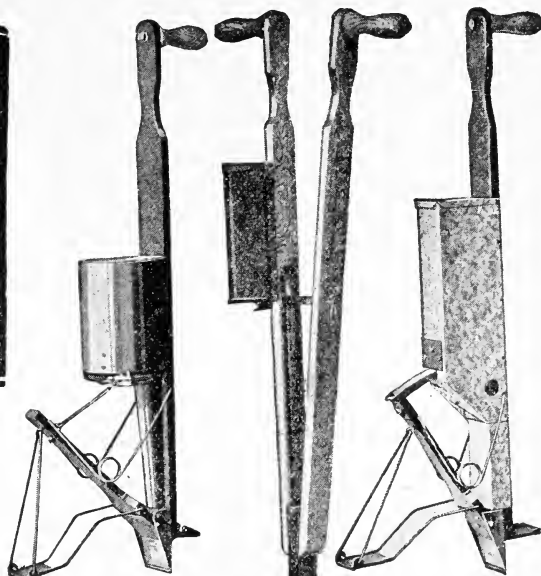
EASY CULTIVATOR

HAND CORN PLANTERS

"I can tend a bigger garden now-and do it so much easier!"



New Improved
Easy
GARDEN RAISER



Acme Rotary \$2.50 each
Acme Slide \$1.25 each
Segment \$2.00 each

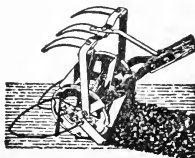
HAND POTATO PLANTERS

Fast, thorough cultivation that leaves a perfect, moisture-retaining top mulch.

Now, you can grow a better garden with one-tenth the usual work. In one swift, easy operation, the New Improved EASY Garden Raiser kills every weed, stirs and aerates the surface soil, leaving a perfectly smooth, finely pulverized dust mulch. Ten times as fast as hoeing. Does a better job. And SO much easier!

Notice how the eight revolving blades break the soil crust. Underground knife of improved design kills all weeds. Working together, blade and knife thoroughly mix the finely worked soil. This provides an ideal moisture-retaining "blanket." Your garden grows faster. Does better. More pleasure and profit for you. Makes an ideal seed bed at planting time.

How easily it runs! Improved design makes this possible. Operates as fast and smooth as any easy-running lawn mower. Just turn it over and three adjustable steel shovels are brought into position for deeper cultivation. Adjustable guards protect leaves from blades. Low priced.

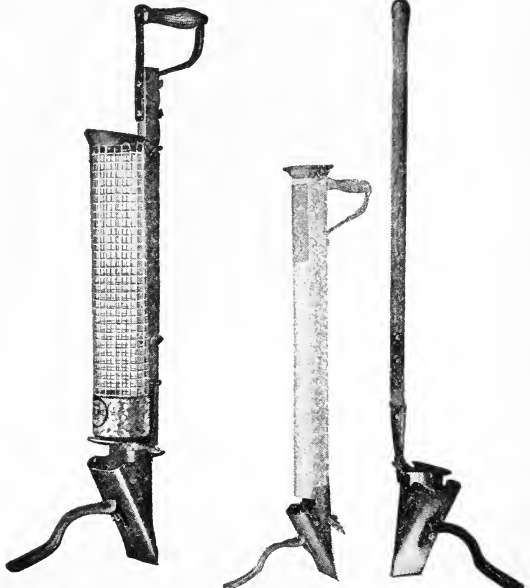


Standard Model, 8 1/2 inches.....\$9.00
Perfect Model, 10 1/2 inches..... 9.50

WIRE TUBE POTATO PLANTER

The lightest strong planter; the strongest light planter. It is all steel. Wind resistance reduced to minimum. Cannot clog and fail to plant. Sharp jaws enter as easily as a spade. Weight, each 6 lbs.

Each \$1.50



Wire Tube
Solid Tube
Pingree

SOLID TUBE POTATO PLANTER

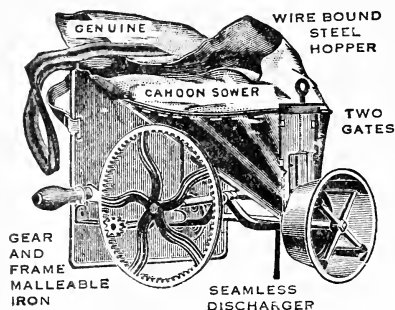
Has galvanized iron taper conveying tube, largest at bottom. Jaws of crucible steel, polished and self-locking, step for forcing jaws into the soil. Handle well braced and smooth. Each \$1.75

PINGREE POTATO PLANTER

Similar to the tubular, but has no tube. You lift the planter up to drop in the potato. (P. P. weight 5 lbs.) Price \$1.25

ADD POSTAGE IF WANTED BY MAIL

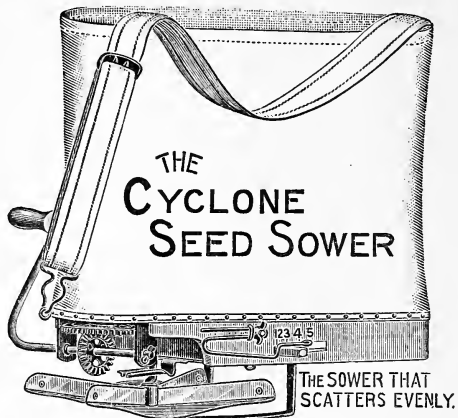
BROADCAST SEED SOWERS



CAHOON SEEDER

Made of steel, iron and brass; the most popular and best; force feed; does excellent work. Sows all grains and grass seeds. Weight, 9 lbs. Instructions included.

Price, \$5.00, f. o. b. Portland.



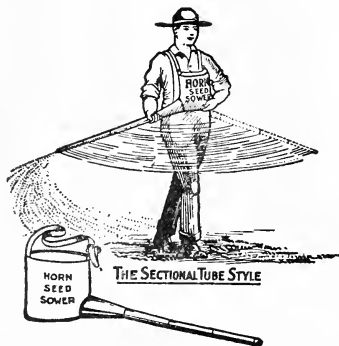
CYCLONE

Sows any kind of seed perfectly even over the ground at rate of 50 acres a day any amount desired per acre. Saves seed—soon saves its cost. Weight 8 lbs.

Price \$2.25



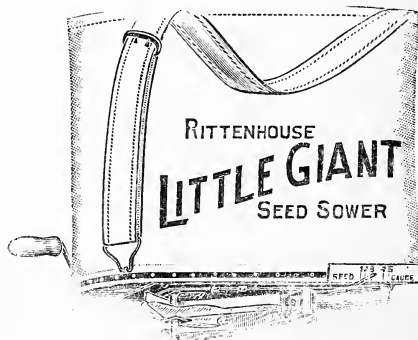
FASTEST OF ALL GRASS SEEDERS—THOMPSON'S SEEDER No. 11, \$15.50 each.—For broadcasting Grass, for sowing Red Top, Clover, Timothy and all Mixed Seeds. Light, strong and simple.



THE HORN SEED SOWER

Will sow 40 to 60 acres per day of alfalfa, clover, timothy, millet, etc. Spread seed evenly from 20 to 40 feet.

Price, \$1.00



LITTLE GIANT

Has a pressed tin, five-flanged distributing wheel, and lathe centered gearings, making it a very easy running seeder. Accurate gauge, force feed, steel frame, hand hold and shield. Weight, each 4 lbs.

Price \$2.40

ADD POSTAGE IF WANTED BY MAIL

Swift & Co. Fertilizer Grows Beautiful Lawns and Flowers



You will find that Vigoro, the ideal plant-food, gives a quick, vigorous start—more velvety green grass, better flowers, crisp, succulent vegetables.

Vigoro is complete, properly balanced; clean, odorless and pleasant to handle. It can be sown by hand like grass seed.

Vigoro contains all the elements that plant life requires for healthy growth. Professional gardeners and home owners alike have come to rely upon Vigoro and recommend it enthusiastically.

Get enough for everything you grow.

Full directions in every bag.



VIGORO

Specially prepared plant food

A Swift & Company Product

100-lb. bag	\$6 00	25-lb. bag	\$2.00
50-lb. bag	3.75	5-lb. pkge. ....	.60
12-oz. pkge.			10c each

ADD POSTAGE IF WANTED BY MAIL

— to make your garden grow

USE **LILLY'S** Garden **MORCROP**

Packed in sift-proof, Red,
Green and Yellow
Cartons and Bags.



Look for the Sunbonnet
Garden Girl Silhouette in Red.

A 60-lb. bag of Garden MORCROP is as large as most 100-lb. bags of other brands on the market. The extra bulk is valuable humus. You get this only in MORCROP. 60-lb bag \$3.50. 30-lb bag \$2.00

**There is a MORCROP Fertilizer for every purpose
in Sack, Ton, and Carlots for Lawn, Garden and Farm Crops.**

Lawn-MORCROP, 6-1-1, for making and keeping Lawns a rich green.
MORCROP-King, 3-10-7, for general farm crops on any average soil.
Electro-MORCROP, 1-17-1, for all Legumes, Pastures and Meadows.
MORCROP-Lux, 5-6-8, for Lettuce, Hops, Fruit, etc. light soils.
Plus-MORCROP, 1-10-15, for Bulbs, Onions, etc. and on peat lands.
MORCROP-M, 3-10-10, for Potatoes, Cherries and Potash poor uplands.
Ruby-MORCROP, 1-10-10, for over-nitrated Orchards, to color fruit.
MORCROP-B, 2-10-2, for Cereal crops and use with stable manure.
Nitro-MORCROP, 10-6-4, for side-dressing truck crops to hurry growth.
MORCROP-Tablets, for use on houseplants, Ferns, Window Boxes, etc.
Triple-MORCROP, 13-16-10, concentrated for home use, pour spout cans.

a fertilizer rich in plant food and humus (organic matter). Garden Morcrop is a bulky material that is different and lasts longer than any other fertilizer on the market. Because of its bulk (twice that of most fertilizers) it is easy and safe to use. Soil becomes mellow, works easily and retains moisture longer, inducing an extensive and vigorous root development where Garden Morcrop is used freely. Its high analysis —5% Nitrogen—10% Phosphates—5% Potash, causes abundant growth of plants, coupled with enormous production. Garden Morcrop supplies also the elements of lesser importance such as Calcium, Sulphur, Iron, Manganese, etc., making it an ideal all-around fertilizer for Flowers, Vegetables, Lawns, Fruits, Bulbs, Trees, Shrubbery, Window Boxes, Ferns, etc. Free from offensive odor.

Fertilizers

Evergro Brand Sheep Manure

Put up in printed, new, 2-bu. bags, perfectly dry. Bag weight when filled, 66 lbs. Carload buyers should write for special price.

EVERGRO BRAND SHEEP MANURE is prepared from an unusual quality of genuine sheep manure, taken from covered feeding sheds (not from open corrals). It has never been exposed to the weather, and is free from all sand, dirt and weeds. The manure is thoroughly dried and all the water content removed. Then it is uniformly ground or pulverized. Light in weight, but heavy in plant food.

EVERGRO BRAND is richer in plant food on account of the dry hay and grain feed and free from weed seed for the reason that while the sheep are in feeding sheds being fattened for the market, they do not eat any weeds as they would if they were out on the range and in "open corrals at night only."

For building up the soil or as an all-purpose plant food **EVERGRO BRAND (PURE PULVERIZED SHEEP MANURE)**, gives wonderful results. It is a natural organic plant food that produces immediate results. It stays "on the job" and assures a quick, healthy growth and a profitable crop.

EVERGRO BRAND is the highest quality Sheep manure on the market. A pure, high-grade product worth much more than most stocks sold. The chemical analysis on every bag tag proves it. Most ground sheep manure is sacked so wet that it will "heat" and rot the sack in a short time. **EVERGRO BRAND**

Prices.—Per sack, \$1.25; 3 sks., \$3.50; 5 sks., \$5.50; 10 sks., \$10.50; 15 sks. or more, \$1.00 per sack. Small lots—2 lbs., 15c; 5 lbs., 25c; 30 lbs., \$1.00; postage extra if wanted by mail.

SUPERPHOSPHATE

A concentrated form of phosphoric acid, actually the cheapest form in which to buy phosphoric acid. Contains 17 to 18 per cent available phosphoric acid. Per lb., 5c; 100 lbs., \$2.00; f. o. b. Portland.

TANKAGE

Ground meat scraps and bone, desiccated in a vacuum, is very rich in phosphoric acid and nitrogen. 100-lb. sack, \$3.50; f. o. b. Portland.

NITRATE OF SODA

For immediate results Nitrate of Soda is the very best for stimulating and forcing the growth of plants or any other crop. 1 lb., 10c; 100 lbs., \$3.75.

SULPHATE OF AMMONIA

Analysis—Nitrogen as Ammonia 25%.

Is gaining in favor equally fast with Truck Gardeners, Fruit Growers and Grain and Hay Producers. It is always uniform in quality. The fine dry crystals run as freely and spread as evenly as table salt.

It is instantly absorbed by the water in the soil and is immediately effective. Write for price.

LAND PLASTER OR GYPSUM

Made from pure Gypsum, free from clay or other foreign matter. This is especially valuable for clover crops. 10 lbs., 25c; 100-lb. sack, \$1.00.

is properly cured and will stay in the sacks for six months or more. We have it packed in "paper-lined" (2 busies, 66 lbs.), printed burlap bags. Perfectly dry and clean to handle.

The genuine **EVERGRO Brand**, weed-free, is packed in paper lined, printed burlap bags—worth almost double common stock.

DIRECTIONS FOR USING "EVERGRO."

Vegetables and Fruits.—If you want big crops of crisp, tender vegetables use Evergro scattered broadcast and cultivated into the top soil 10 lbs. per 100 sq. feet; a handful per individual plant; along the rows 1 lb. to every 10 feet; a pint per shrub, 5 to 10 lbs. per tree, etc. Field use 1,000 to 2,000 lbs. per acre.

Flower Gardens.—Luxuriant green foliage and a wealth of vivid colored flowers quickly follow an application. Dig deeply into the garden soil and mix a small handful with the soil under each plant or bulb and more for vines, shrubs, and trees, depending on size. Applications during the growing season will put new life into your plants and prolong the blooming season.

"Evergro Brand" Sheep Manure produces a thick velvety green turf of lasting beauty. Give your lawn an application early in spring and you will be surprised at the new beauty it will develop. In making new lawns, scatter broadcast 10 lbs. to every 100 sq. feet and rake into the surface soil. On old lawns, rake well and use about 3 sacks for the average city lot with a house on it.

BONE MEAL

Fine ground, is one of the best fertilizers. This is a very valuable enricher of the soil, and one of the most economical at present prices.

5 lbs., 30c; 10 lbs., 50c; 100 lbs., \$3.00.

MURIATE OF POTASH

This fertilizer is especially valuable to fruit trees and berries. It increases the size and yield and makes a marked improvement in quality and color. Use about 200 lbs. per acre. Very valuable to use with stable manure, which is always shy of potash. Write for price.

SULPHATE OF POTASH

A desirable form of potash, especially valuable for potatoes and any root crops, such as beets, turnips, etc., also cabbage, etc. Write for price.

FISH GUANO

Fish scraps, cooked, dried and ground, is a strong fertilizer, high in nitrogen, carrying considerable phosphorous and used largely by vegetable growers. We do not recommend this for lawns or city use, its odor is objectionable and particles picked up by dogs have been known to poison them.

1 lb., 10c; 3 lbs., 25c; Postpaid. Write for price in quantities.

STIM-U-PLANT

PLANT STIMULANT TABLET

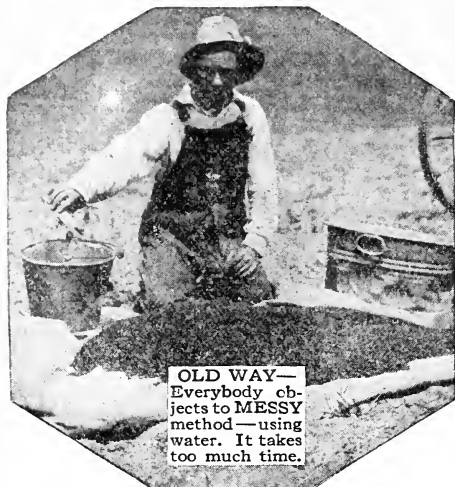
Trade Mark Registered U. S. Patent Office

THE MAGIC FERTILIZER IN TABLET FORM

Growers of fine flowers, shrubs and vegetables for the best markets and for exhibition fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for this purpose is Stim-U-plant, an odorless, highly concentrated plant food, in tablet form. Simply insert tablets in soil near plants, or dissolve in water at the rate of four tablets to the gallon and apply as liquid manure. Complete directions with every package.

Order Stim-U-plant tablets with your seeds and plant order.

Price, postpaid, trial size, 15c; small size, 25c. 100 tablets, 75c; 1,000 tablets, \$3.50.



The NEW LABOR-**SAVING** IDEA of McQueen's Dust-Kote is strikingly shown in these two pictures. Every farmer can readily see why he should use McQueen's Guaranteed Dry Inoculator, instead of any other.

Now you don't have to use out-of-date, messy methods to treat your legume seeds. The new McQueen Dust-Kote Inoculator is just dusted on the seed. Takes but a moment to do it right in your seeder, you need no water at all. Sticks to seed and is a clean, handy inoculation.

Absolutely guaranteed to give satisfactory results or your money back. This is for your protection. You are the judge of results.

Inoculate your Alfalfa, Sweet Clover, Soy Beans, Vetch, Peas, Beans and Clovers of all kinds with McQueen's guaranteed Inoculator that hastens maturity, increases the crop, improves its quality, enriches the soil and saves fertilizer bills.

Simple directions for mixing Inoculator with your seed are printed on each package of McQueen's. Only a few minutes of your time is required to inoculate your legume seed. Do it right in seeder or drill box. No water is used. Many master farmers use McQueen's. Tremendous sales on McQueen's Inoculator enables us to offer this quality merchandise at these reduced prices:

For Clover or Alfalfa

½ bu. size inoculates 30 lbs. seed.....	\$.50
1 bu. size inoculates 60 lbs. seed.....	1.00
2 ½ bu. size inoculates 150 lbs. seed.....	1.75

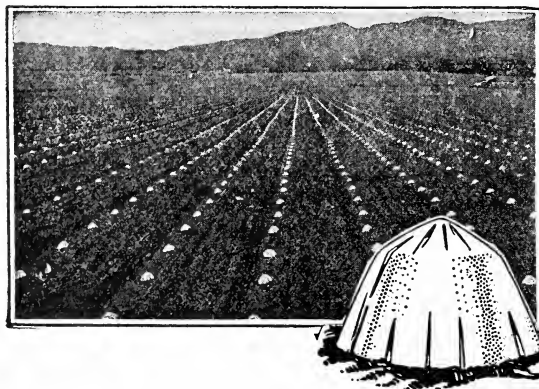
For Soy Beans, Cow Peas, Vetch, Peas or Beans— all large seed

1 bu. size inoculates 60 lbs. seed.....	\$.50
2 bu. size inoculates 120 lbs. seed.....	1.00
5 bu. size inoculates 300 lbs. seed.....	1.75

Garden Packet—Peas, beans, lima beans, sweet peas..... .15

Be sure to include McQueen's Inoculator with all your legume seed orders.

Always state kind of seed you wish to inoculate



HOTKAPS are inexpensive to use. One man can "set" over 3000 of them per day.

Write us now about this money-making crop necessity, or simply order your season's supply now.

Prices: 1,000 lots, \$11.50; 5,000 lots, \$11.00 per M.; 10,000 lots, \$10.75 per M.; 250 Trial Package, including Garden Setter with Tamper, \$4.00; 100 Home Package, including Garden Setter with Tamper, \$2.50; Germaco Hotkap Steel Setter with Tamper, \$2.50; postage extra.

Weights: 1,000 package Hotkaps, 26 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Steel Hotkap Setter, 3 lbs.



EARLIER TO MARKET FOR HIGHER PRICES

Germaco HOTKAPS—"individual hot-houses for every plant"—are made of waxed paper in the form of a cone which completely covers the plants—the only way to fully protect them from frost. HOTKAPS also protect against rain, wind, ground-crusting and insects—your assurance of faster-growing, hardier plants, with larger yields and greater profits, because you market earlier.

**GERMACO
HOTKAPS**

PROTECT YOUR PLANTS WITH

RED ARROW SAFE TO USE

1. Red Arrow is absolutely non-poisonous to children, poultry, or pets, but deadly to insects.

2. Red Arrow will positively not burn, blight or stain the tenderest leaf, flower or petal.

3. May be sprayed on fruit or vegetable before eating. No harmful effect can ensue on health or digestion.

How to kill the insects.—For the small garden, take 2 teaspoonfuls of Red Arrow, dissolve in one quart of water; add mixture to one gallon of water, giving 5 quarts of finished spray.

For field use.—Dissolve 1 oz. Red Arrow in 4 gallons of water; this gives you 4 gallons finished spray ready for use.

To make 50 gallons of finished spray, dissolve 1 pint of Red Arrow in a quart of water, and then dilute up to 50 gallons.

RED ARROW ECONOMICAL

The following table shows low cost of spraying with Red Arrow:

	Price	Makes
1 oz. bottle.....	\$.35	4 to 8 gals.
¼ pt. (3½ ozs.) can.....	1.00	15 to 30 gals.
½ pt. can.....	1.75	35 to 70 gals.
1 qt. can.....	6.00	140 to 280 gals.
1 gal. can.....	20.00	560 to 1100 gals.

Finished spray costs from 2 to 4c per gallon, according to dilution.

Red Arrow is non-poisonous, and may be sent through the mails.

4. Red Arrow will kill fleas on cats and dogs. Use at rate of two teaspoons to one gallon of water; make sure to wet every part of the animal thoroughly.

WOODEN GARDEN STAKES

Painted green with white tip.

Size	Per 100	Per Doz.
3-0 long	\$3.00	\$.50
3-6 long	4.00	.60
4-0 long	4.50	.70
4-6 long	5.00	.80
5-0 long	6.00	.95
5-6 long	6.75	1.10
6-0 long	8.00	1.25

TREE LABELS

Copper Wired and Painted

3½ inch.....35c per 100, \$2.90 per 1000

POT LABELS

5 inch35c per 100, 2.50 per 1000

6 inch40c per 100, \$3.00 per 1000

8 inch85c per 100, 7.50 per 1000

GARDEN LABELS

10 inch,\$1.00 per 100, \$ 9.00 per 1000

12 inch 1.50 per 100, 12.50 per 1000

JAPANESE TUBS

These tubs have large hoops and are imported from Japan. Small size, 13 inches high, 14 inches diameter at top. Price 75c each, postage extra.

REG. U.S. PAT. OFF.
CELO-GLASS
U.S. PATENT 1,580,747

**for poultry houses — cold frames
— hot beds — hog houses — porches**





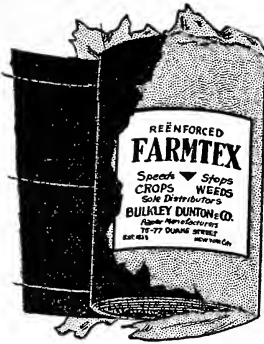
**Brings
Ultra
Violet
Rays
Indoors**

**The name
is on the
selvage**

A light weight, unbreakable, flexible, weatherproof material made by coating wire mesh with a clear, transparent substance. It will withstand rain, hail, sleet, ice and snow and is unaffected by heat of 400 degrees Fahrenheit. The health building ultra-violet rays of the sun pass freely through it, whereas glass keeps them out. Attractive in appearance and will stand building strains, vibrations and shocks which glass will not do. Excellent for poultry houses, greenhouses, hotbeds, garage doors and windows, sun porches, factory windows, etc.

Cel-O-Glass—Weight 100 sq. ft., 15 lbs.. Sq. ft. 13½c.

In rolls 36 in. wide, 25 and 100 ft. long.

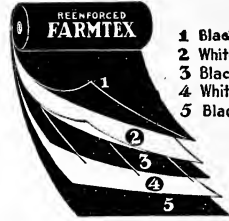


GARDEN TOOLS AND SUPPLIES

Reenforced Farmtex

Patent Applied for
THE BETTER MULCH
PAPER

STOPS WEEDS
SPEEDS GROWTH



- 1 Black-Asphalt
- 2 White-Paper
- 3 Black-Asphalt
- 4 White-Paper
- 5 Black-Asphalt

The value of mulch paper for growing crops has been established through scientific tests made by agricultural colleges in various states, by the United States Department of Agriculture and by results obtained by farmers and gardeners.

Mulch paper has proved a great labor saver, keeping down weeds and thus doing away with the necessity of weeding or cultivating. This means an important saving of time and money where labor is employed.

Keeping the weeds down prevents their taking fertility from the soil, thus saving in the amount of fertilizer required.

Evaporation is prevented. Mulch paper permits all rain that falls to enter the soil and then keeps it entrapped there. All moisture is kept in the ground for use of the crop, and the land being free from weeds, the crop has full benefit of the soil without having to share it with useless weeds.

Reenforced Farmtex absorbs the heat of solar radiation and keeps the soil at favorable growing temperature. Thus

LARGER AND BETTER CROPS

are produced where Reenforced Farmtex is used. Reenforced Farmtex has two thicknesses of paper;

three thicknesses of asphalt and reenforced cords between the paper, the cords set in asphalt.

The corded edges prevent tearing; the corded centers on wide widths prevent wind producing center tears. It is completely waterproof and wears a long time, giving three years' service with proper care. The use of Reenforced Farmtex is not only economical, but it is also very profitable, producing more prolific yields of better quality, vegetables or flowers.

A gardener writing for "The Flower Grower," September, 1929, page 439, says:

"Tried it on Crookneck Squash, with check hills without paper. It saved practically all weeding and made me wish I'd used it all around the hills as well as on them."

Reenforced 150-Yard Rolls

12 in. wide, corded edges.....	\$3.25 per Roll
18 in. wide, corded edges and center.....	4.00 per Roll
36 in. wide, corded edges, 4 cords in center.....	\$7.75 per Roll

Lay the paper between the rows. Place stones or earth on the edges to hold it in place.

BYE-BYE BLACKBIRD



Don't feed bird and animal pests—drive them away with Bye-Bye Blackbird.

Crows, blackbird, pheasants, woodchucks, even more destructive than the corn borer—need worry you no longer, for now you can safely fight these pests and drive them away from your corn and pea fields.

Bye-Bye Blackbird is a safe remedy—safe for the user but a positive assurance that it will rid your corn field of crows, blackbirds, woodchucks, gophers and other plant-destroying birds and animals that eat your corn and pea seeds and pull up young, growing plants.

Bye-Bye Blackbird will not injure the seed corn or peas, but is a positive protection in the prevention of seed rotting in the soil. Larger crops are assured through its use. Less labor is involved, for Bye-Bye Blackbird makes it unnecessary to replant destroyed fields.

Bye-Bye Blackbird is harmless to plant life. It should not, however, be brought in contact with any part of the body.

DIRECTIONS

To mix with seed corn or peas, first secure a non-absorbent container, preferably a galvanized tub. Place the corn or peas to be planted in the container, pour contents of half pint can to each bushel of corn or peas and mix thoroughly with stick or spoon. There is no need of drying corn or peas

before putting into planter and you are assured that planter will not clog through its use.

Bye-Bye Blackbird, in 1-pint can, for two bushels of seed corn or peas, each.....\$1.50

Bye-Bye Blackbird, in ½-pint can, for one bushel of seed corn or peas, each.....\$1.00

KOW-KARE

Makes Poor Cows Good—Good Cows Better, and Makes More Money for Cow Owners

Kow-Kare (originally Kow Kure) is different from anything ever discovered for cow troubles. It is the only cow medicine that is strictly for cows only. It is not a stock food, but a specific remedy, especially for cow diseases, such as Barrenness, Scours, Milk Fever, Caked Udder, Bloating, Red Water, Swelling of Bag, etc. It prevents abortion and removes retained after-birth. It tones up the system, renews vitality, restores appetite to cows that are "off feed," and keeps them healthy. It increases the milk flow, and enables the cows to produce strong, vigorous calves. It is the dairyman's gold mine, and a sure profit-payer. Medium cans, mail weight 2 lbs., price 65c; large cans, mail weight 4 lbs., \$1.25.

AMERICAN DAIRY ASSOCIATION REMEDIES

Bag Balm.—A soothing, penetrating ointment for all affections of the bag. Weight 8-oz. pkge., 60c, postage extra.

Grange Garget Cure.—An unsurpassed and positive cure. Weight 2 lbs. can, 65c, postage extra.

Horse Comfort.—For wire cuts and flesh wounds. 30c bottles, weight 1 lb.; 60c bottles, weight 2 lbs., postage extra.

American Horse Tonic.—A general improver for horses. 30c boxes, weight 1 lb.; 65c boxes, weight 2 lbs., postage extra.



A NON-POISONOUS SPRAY

For use in the control of Mealy Bug, Green Aphis, Red Spider, Rose-worm, Plant Lice, Pyslla, Earwigs, Slugs, Thrips, Mildew, Rust, White Fly, and many other pests.

APH-IS-ITE.—It is a wonder spray and can be used wherever vegetable and insect life conflict. To Rosarians that have had the two great enemies to fight, aphis and mildew, we especially recommend Aph-is-ite, for it really does control them. All rose growers recognize mildew by its patches of greyish white mould. It should be attacked before you can see it. Aph-is-ite will control it no matter what the stage of development, but the best treatment is early treatment. It will, therefore, be seen that by using Aph-is-ite during the spring and early summer not only will the insect pests be destroyed but also the possibility of mildew, rust and blackspot be eliminated. **Spray Early** **Spray Well**

SPRAY WITH APH-IS-ITE

½-pint cans, makes 4 gals., each.....\$.35
1-quart cans, makes 15 gals., each..... 1.00
5-gallon cans, makes 300 gals., each... 10.00

ANT KILLER.—ANTROL.—Is the most effective eliminator of Argentine and honey dew loving ants known. The largest nurseries and thousands of homes on the Pacific Coast use it exclusively. Antrol is harmless to children or pets, yet eliminates the entire ant colony—quickly and surely.

Prices.—Antrol sets containing four containers and 1 4-oz. bottle of syrup.....\$1.00
Antrol extra containers, each.....15c
Antrol syrup, 4-oz. bottle.....50c
Antrol syrup, pints.....\$1.00
Antrol syrup, gallons.....\$4.00

Note—Enough containers and syrup should be purchased to place one container every 15 feet around the house or along ant "trails" in the garden.

ARSENATE OF LEAD (Powder).—For eating and leaf-chewing insects, codling moth on fruit. Prices: ½ lb. can, 25c; 1 lb., 45c; 4 lbs., \$1.25. Quantity price on request.

BLUE STONE (Vitol).—Lb., 15c; 10 lbs., \$1.25.

BLACK LEAF 40.—To kill green and woolly aphis, thrip, plant lice, codling moth and all sucking insects. Prices: 1 oz. bottle, 35c; makes 5 gal.; ½ lb. can, \$1.25 (47 gal.); 2 lb. can, \$3.25 (240 gal.); 10 lbs., \$11.85 (1000 gal.). Note: Use 1 lb. Fish Oil Soap to 10 gal. water and add Black Leaf 40c

BORDEAUX MIXTURE (Powdered).—For blight, mildew, rust and fungus diseases. Apply dry as a powder or 1 lb. to 5 gal. of water. Prices: 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75.

BUG DEATH.—Non-poisonous to humans, birds or animals, but it sure gets all chewing insects, aphis, tomato beetle and helps prevent blight. Prices: 1 lb. can, 30c; 5 lbs., \$1.00; 12½ lbs., \$2.00. Postage extra.

BUHACH INSECT POWDER.—Kills flies, fleas, bedbugs, etc. Small yellow pkt., 10c; large, 25c; 3 oz. can, 40c; 6 oz., 75c; 12 oz. \$1.35.

CARCO VEGETABLE SPRAY.—For destroying and preventing grubs and maggots on turnips, radish, cabbage, etc. Use 1 part Carco to 125 parts water. Descriptive pamphlet and testimonials on request. Prices: ½ pint, 50c; pt., 75c; qt., \$1.25; gal., \$2.75.

CYANOAGAS A.—The fumes of this powder kills rats, moles, gophers, ants, etc. A spoonful to a hole or use a powder gun. Prices: 1 lb. can, 75c; 5 lb. \$2.50; 25 lb., \$5.25.

Cyanogas "C."—Prepared especially for fumigation of greenhouses to kill aphis, blackfly, green-

fly, white-fly, thrips and soft scale. This fumigant is very effective and highly recommended by leading florists. Descriptive pamphlet on request.

Prices: 1 lb. cans, 75c; 5 lbs., \$3.00; 25 lbs. \$10.00; 100 lbs. \$30.00.

CORROSIVE SUBLIMATE.—For treating potatoes, grain, etc. Prices: 4 oz., 75c; 8 oz., \$1.25.

FISH OIL SOAP.—For aphis, plant lice, etc., and to mix with Black Leaf 40 to make it stick to foliage. Prices: Small cake, 10c; lb., 25c; 10 lbs., \$2.00; 100 lbs., write.

FORMALDEHYDE.—For treating grain, potatoes and bulbs. Pint, 60c; qt., \$1.00; gal., \$3.25.

ACME GARDEN GUARD.—A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss.

For use on: Cabbage, cauliflower, tomato plants, melon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds.

Prices: 1-lb. sifter carton, 40c

GAS BALLS.—Rodent Killer.—A new product of real merit to eradicate ground squirrels, prairie dogs, rabbits and pocket gophers. When these gas balls are lighted and rolled down into the burrow they produce a deadly, poisonous gas that carries death to any living rodent in the burrow.

They are non-explosive and non-poisonous to handle. Use one or two balls per burrow. Safe, sure and inexpensive. Full directions with each order. Price: 6 for 30c; doz., 50c; 3 doz., \$1.25, postpaid. Carton of 125 balls, \$3.00. Weight, 14 lbs. Postage extra.

GRAFTING WAX.—¾ lb., 25c; ½ lb., 35c; 1 lb., 60c. Add postage if wanted by mail

HELLEBORE POWDER.—For killing slugs, currant worms, etc. Non-poisonous to mankind. Use as a powder or 1 oz. to 8 gal. of water. Prices: ½ lb., 40c; lb., 75c; postage extra.

ACME ALL-ROUND SPRAY.—Flowers, vines, shrubs, roses, vegetables need protection same as commercial crops. All-Round Spray contains the three leading remedies used by all large growers, Arsenate of Lead, Nicotine Sulphate and Bordeaux Mixture.

Perfect protection for the small user is assured by complete directions in form of spraying guide attached to every package.

Prices: ¼-lb., 45c each; 1 lb., 85c each



K-R-O Kills Rats Without Danger

**A New Exterminator that is
Wonderfully Effective yet Safe to Use!**

K-R-O is relatively harmless to human beings, livestock, pets, poultry, yet is guaranteed to kill rats and mice every time. Many letters testify to the great merit of K-R-O. Get a can now. It's easy to use, works quickly, safely and surely. Satisfaction guaranteed. 75c; large size (4 times as much) \$2.00.

Ask for Spraying Guide

SPRAYS, INSECT AND RODENT KILLERS—Continued

Full directions for using on each container or package.

SPRAY YOUR PLANTS THIS NEW SAFE WAY



EFFECTIVE against most other plant pests, including Cucumber and Melon Beetles, Cabbage Worms, Rose Slugs, Leaf Hoppers, Currant Worms, etc.

SAFE—Kills only insects—harmless to man, livestock, birds and pets.

NON-INJURIOUS—Spray freely on the tenderest plants. Won't injure the ground.

EASY TO USE—Just mix with water and stir. No unpleasant odor.

WON'T GUM SPRAYERS—No bad effect on metal or rubber. Stays in solution and can't clog sprayers.

LIST PRICES

1-oz. bottles	\$.35
6-oz. bottles	1.00
16-oz. bottles	2.00
32-oz. bottles	3.85
1-gal. bottles	13.00

Ever Green can be sent through the mail.

LIME AND SULPHUR SOLUTION—(Liquid 1 to 9 parts of water). Prices: Qt., 30c; gal., 75c; 5 gals., \$2.25; 50 gals., write.

LIME AND SULPHUR—Dry Mixed.—12 to 15 lbs. to 50 gals. water for dormant spray. One-quarter strength for summer spray. Prices: 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.00; 100 lbs., \$10.00.



It is a Non-Poisonous preparation for the control of Root Maggot on Brussel Sprouts, Cabbage, Cauliflower, Kale, Broccoli, Onions, Radishes, Turnips, Rutabagas, and other Vegetables.

SOMETHING PRACTICAL—There has been from time to time a great variety of remedies suggested and used for root maggot control, among them being liquids, tar paper, screening and many other methods more or less impracticable. Mag-O-Tite is in powder form, making it easy to apply, which is the only practical method.

2-pound can.....	\$.75
10-pound bags.....	1.25
25-pound bags.....	2.25
100-pound bags.....	8.00

Add Postage if wanted by mail.

NICO—FUME LIQUID—For spraying or vaporizing: ¼ lb. tin, 75c; 1 lb. tin, \$2.00; 4 lb. tin, \$6.25; 8 lbs. (gal.), \$11.50. (Cannot mail.)

NICO—FUME FUMIGATING PAPER—Price per can of 24 sheets, \$1.25 (weight 1 lb.); 144 sheets, \$5.25 (weight 4 lbs.), 288 sheets, \$9.50 (P. P. weight 8 lbs.). Add postage if wanted by mail.

NICO-FUME TOBACCO POWDER—Full information on cans. 1-lb. can, \$1.00; 5 lbs., \$4.00; 10 lbs., \$7.50. Postage extra.

PARIS GREEN—Poison. Be careful. Usually four to six ounces to fifty gallons of water will be satisfactory. ¼ lb., 25c; ½ lb., 40c; 1 lb., 75c.

RAT POISONS—We have tried out dozens of kinds and recommend the following as being the best:

STEARNS' ELECTRIC RAT AND ROACH PASTE GOODS READY FOR USE

To Kill Rats and Mice—Apply the paste thick on cheese or any other food they will eat, leaving it in places frequented by them. Repeat every night until the rats and mice have entirely disappeared.

As soon as they have eaten the paste it causes intense pain in their stomachs, and they disappear at once, seeking fresh air and water. Price 35c.

RAT NIP—It's a paste in tin tubes. Squeeze it out on bread, etc. Rats and mice can't resist it. Price, 35c.

SULPHUR POWDER—(Flour).—1 lb., 10c; 3 lbs., 25c; 10 lbs., 75c; 100 lbs., write.

SEMESAN — SEED DISINFECTANT — Controls diseases, improves and hastens germination, produces sturdier plants, increases crop yield and improves quality. There is no question about the value. Semesan is a powerful powder, used as a dust or mixed with water for treating all kinds of seeds, roots, tubers and bulbs. Write for free leaflets and booklets giving full information. Leaflets on special crops if asked for.

Prices: Dupont Semesan—for most crops—2 ozs., 50c; 8 ozs., \$1.00; 10., \$2.75; 5 lbs., \$10.00. Larger quantities, write. Semesan Bel for potatoes: - lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$37.50; 100 lbs., \$140.00.

SLUGS, ETC.—USE SNAROL—A meal that quickly destroys cutworms, sow bugs, earwigs, grasshoppers, snails and slugs. Merely sprinkle Snarol around and under planted vegetation insures them against destruction. Will not in any way destroy plants and rain does not destroy its value. The only effective garden slug destroyer we have ever used. Prices: 1 lb. pkge., 40c; 3 lb. pkge., 85c; 15 lb. bag, \$3.25.

TREE TANGLEFOOT—A sticky compound to band trees or large plants to prevent crawling insects from going up the stalks or trunks. Prices: 1 lb. can, 60c; 5 lbs., \$2.75; 10 lbs., \$5.25. Postage extra.

TOBACCO DUST—1 lb., 15c; 10 lbs., \$1.25.

WEED KILLER—For killing grass and weeds on tennis courts, paths and roadways. Use 1 part Weed Killer to 40 parts of water and apply with sprinkling can. Prices: Qt., 65c; gal., \$1.85; 5 gal., \$8.00. Write for barrel prices.

WHALE OIL SOAP—For aphids, plant lice, etc. Per bar, 20c; 100 lbs., bulk, \$12.00; f. o. b. Portland.

WOOD-LARK SQUIRREL AND GOPHER POISON—Ready for Instant Use—Never Fails.—Should be used early in the spring, when green food is scarce. Place a few kernels near the burrowing place of the animals. Care should be used in placing it so as not to destroy song birds. Price: 1 lb. cans, each 50c. Cannot be mailed.

2-WAY SPRAY

A Combined Spray for Use on Fruits and Vegetables

CONTROLS BLIGHT

For spraying apples, grapes, muskmelons, potatoes, squash and tomatoes use 9½ lbs. of Acme 2-Way Spray to each 50 gallons of water. For small sprayers use 3 ounces to each gallon of water, or 9½ level tablespoonfuls. 1-lb. can, 45c.



Ask for Spraying Guide

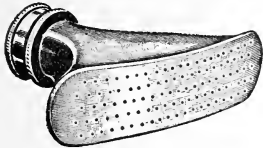
GARDEN TOOLS AND SUPPLIES



"CRESCENT" FOUNTAIN SPRINKLER
Patented

A Ring Sprinkler that throws all the water to the front and sides. Each 75c

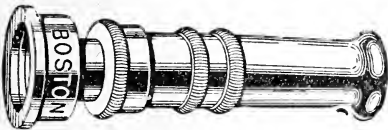
"FLARING ROSE" SPRINKLER



Its small perforations emit a fan-like sheet of tiny jets that are just like gentle rain.

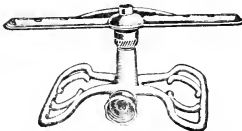
When turned toward beds of plants or flowers, it does not cover the adjoining house or walk but goes right to the place desired.

Its fan like shape makes it especially easy to handle. It is unexcelled for sprinkling small, grassy places. Each 65c



In the Boston Nozzle the spray is formed by a brass point coming down into the stem. It is made of solid brass, heavy and graceful in appearance.

The Boston gives a fine or coarse spray, solid stream and complete shut-off. Each 75c



"JEWEL" SPRINKLER
Nothing to adjust—simply let 'er run.

On the lawn and in the garden, with 40 lbs. pressure, it will sprinkle uniformly a circle 50 feet in diameter—2000 square feet. Price, each \$1.25

"PERFECT CLINCHING" HOSE MENDER



Slip in the hose and hammer down—that's all.

Sizes: ½-in., ¾-in., 1-in., Ea. 15c

Each 15c, 2 for 25c

(Patented 1919)



"CROWN" FOUNTAIN SPRINKLER

Extra Heavy—Built to Stand the Knocks
Highly polished and packed one to a display box.
Top made of heavy brass, with bottom or extra heavy brass or cadmium plated steel. Diameter 8½ inches. Price, each \$1.00

"HANDY" FOUNTAIN SPRINKLER



NOT VERY BIG
COSTS VERY LITTLE
(Patent pending)

It Sprinkles as Much Ground as the Big Ones
Throws all the water to the front and sides, giving a beautiful fountain spray.

You can walk up to it and adjust it after the water is turned on. It's handy. The swivel nut prevents tipping over.

The weight of the metal (22 gauge) and shape make it proof against hard knocks. Width, five inches.

Brass top, with brass or cadmium plated steel bottom. Price, each 50c

"No. 1 WHIZ" SPRINKLER

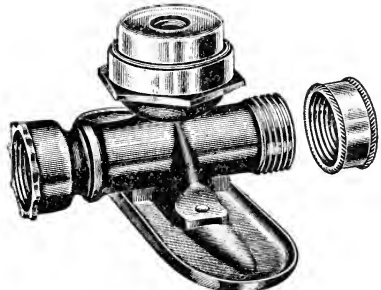


It has the far throwing, smooth running "Whiz" Head, with finished bronze bearings for deflector, at top and bottom. The upper bearing is adjustable for taking up wear. The head is heavily plated. Non-breakable, malleable, rust-proof base.

Swivel, brass hose connection, height 6 inches. Price, each \$1.00.

"WHIZ" HEAD

Threaded at base with ¾, ½ or ¼-inch pipe thread. Malleable casting, heavily plated. Heads only, each 50c.



"CRICKET" SPRINKLER

The Cricket has hose connections at either side, permitting several sprinklers to be used on one line of hose at one time.

Adjustable spray valve in each sprinkler makes possible exactly uniform sprays. Without adjustment the sprinklers throw out too strong near the silcock and too weak at the end of the hose.

The number of Crickets in a series and the distance they are to be spaced apart depend entirely on the water pressure.

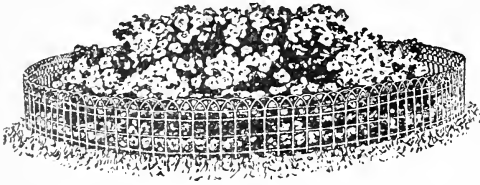
One threaded cap is furnished with each set of three Crickets.

Strong and rugged—it will not be damaged by dragging around. Price, each \$1.25. Set of 3, \$3.00.



"PERFECT CLINCHING" HOSE COUPLING
(Patented 1919)

Slip it on the hose and hammer down—that's all.
Sizes: ½-in., ¾-in., 1-in., pair.....25c



FLOWER BED BORDER FENCE

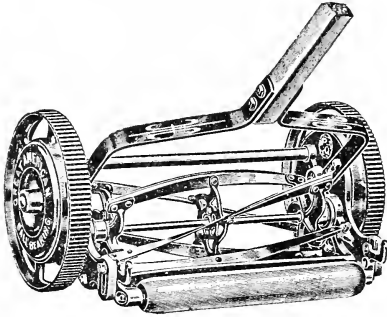
AMERICAN.—Made of stiff steel wire pickets of No. 9½ wire, firmly bound together with lateral cables made up of two strands of No. 13 wire, pickets 3 inches apart. All wires thoroughly galvanized to be proof against weather conditions.

The fabric is of an attractive design. It will present a very handsome appearance, and give permanent protection to flowers, vines and other plants along the sidewalk, house or in the center of lawns.

The long ends of the pickets can be easily pushed into the ground and will hold the fence in any position desired.

Height	Approx. Height above	Wt. Ft.	Foot
16	12	.579	\$0.10
22	18	.727	.13

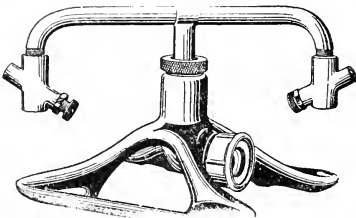
165 Lineal feet in a roll.



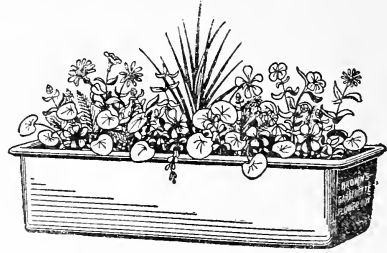
GREAT AMERICAN BALL-BEARING—PENNSYLVANIA QUALITY

Open Cylinder, 5 Blades, 10-inch Wheels, "Stay-tite" Handle.—Solid cast steel cutting knives, hardened and tempered in oil. The steel balls used are of the highest grade, placed in dust-proof covered steel cups, and the adjustment is unequalled; the ratchets or pawls are cast steel, hardened and tempered and noiseless in action; self-sharpening dead knife of solid cast steel, which can be adjusted to cut grass ¾ to 1½ inches from the ground.

Cut, inches	15	17	19
Weight each, lbs.....	66	68	74
Each	\$19.50	\$21.75	\$24.50



WHIRLING SHOWER.—Satisfactory for any kind of a sprinkling condition. Will operate efficiently with a high or low water pressure. Has numerous applications; from sprinkling a fine mist to a coarse stream; from an extremely large circle to the smallest circle; for stationary sprinkling over a small, concentrated or large area. The use of a special brass bearing results in the freest running lawn sprinkler known. The stop may be moved up for adjustment for size circles desired. Brass parts are finished. Balance of sprinkler is finished in a bright red. Each.....\$2.75



BROWN'S GARDENETTE FLOWER BOXES—

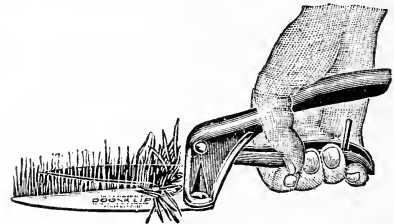
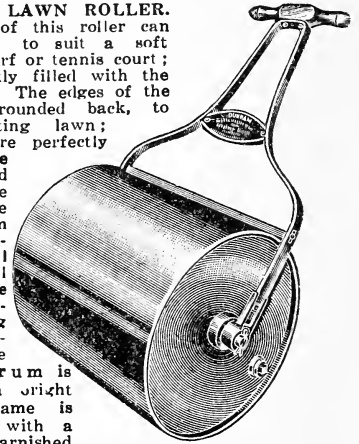
One of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat, round corners and a full roll rim—beautifully finished.

36 inches long. Each.....	\$3.25
42 inches long. Each.....	4.25
Brackets for the above. Each.....	.60

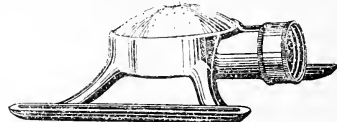
DUNHAM LAWN ROLLER.

The weight of this roller can be regulated to suit a soft lawn, firm turf or tennis court; can be quickly filled with the garden hose. The edges of the drum are rounded back, to prevent cutting lawn; all seams are perfectly smooth. The drum and heads of the roller are formed from heavy high-carbon steel plates; all seams are welded, making a strong one-piece container for the water. Drum is painted a bright green; frame is painted red with a hardwood varnished top handle.

No. 4.—Diameter of drum, 18 inches; length, 24 inches. Weight empty, 75 lbs.; filled with water, 274 lbs.; filled with sand, about 400 lbs. Each \$18.75.

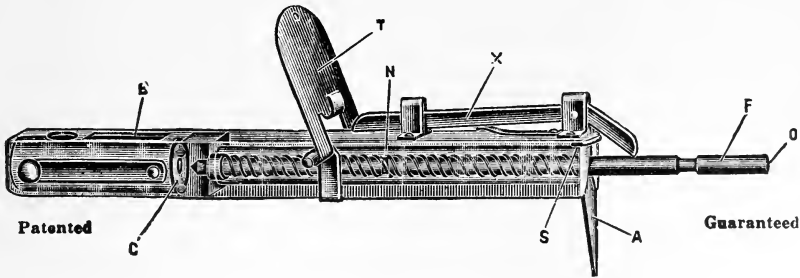


DOOKLIP.—Operates with an easy up and down movement with the hand and wrist in a natural position. Blades self-tensioning and self-sharpening. Handles finished in green enamel. Each.....\$1.25



READY SHOWER.—One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. The fineness and symmetry of its spray makes it especially desirable for new lawn and flower gardens. Its location may be changed while under full working head with perfect ease. Each.....85c

GARDEN TOOLS AND SUPPLIES



COMPLETE INSTRUCTIONS WITH EACH GUN

Load gun with a 38 S. & W. Blank cartridge and set in gopher tunnel. Within a few minutes the gopher will attempt to close the hole setting off the gun. The concussion kills them every time. For moles, dig down to main run and set same way. Price, each \$2.00 1 doz. Blank Cartridges, 35c. 2 doz. Blank Cartridges, 55c. 50 Blank Cartridges, 85c.

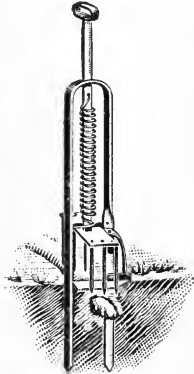
MOLE TRAPS



Cinch Special

REDDICK.—Tinned steel frame, japanned steel coil spring; six steel prongs. 5 in. long. Each \$1.00

CINCH SPECIAL—A safe and successful device for catching moles. Easy to operate. Each.....75c

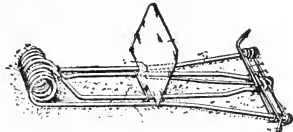


Reddick

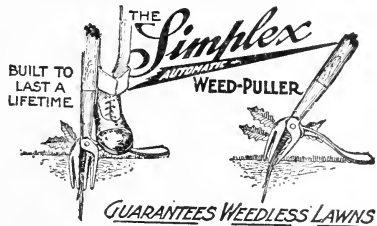


OUT-O-SIGHT.—Malleable iron, japanned; steel lever. Directions for setting and full explanation of the mole's habits furnished with each trap. Each \$1.25.

GOPHER TRAPS

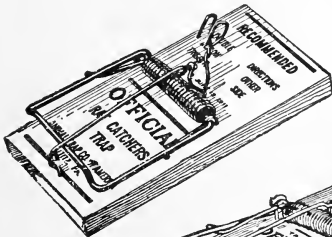


MACABEE—Made of coppered steel wire, painted. Each 25c.

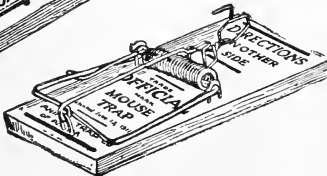


SIMPLEX—Heads are of best grade malleable iron, smoothly machined, and attractively painted. Handles are 42-inch clear fir, triple coated in natural enamel. Each \$1.25.

MOUSE AND RAT TRAPS



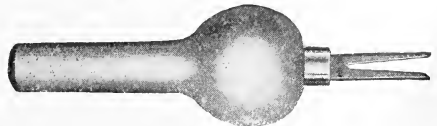
Rat



Mouse

OFFICIAL—Double action trigger; releases either by upward nibble or downward pressure; heavy spring; extra heavy, well seasoned block; clinched staples.

	Mouse	Rat	
Size, inches	2x3 3/4	3 3/4x7	Each
			5c 20c



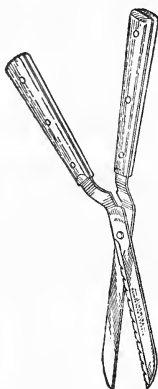
HAVILL—Steel fork, 2 1/2 inches long; brass ferule; 7-inch handle with knob to protect the hand. Each 50c.

"VILLAGE BLACKSMITH" BETTER GARDEN TOOLS

SHEARS—THE BETTER KIND



V.B.-600



S.T.-08



V.B.-800



V.-128



V.-179



V.-21

LADIES' HEDGE SHEARS

Full polished blades with green enameled tan. Selected well finished hardwood handles, securely riveted to blades through heavy coppered ferrules.

No. V.B.-600—Length of blade cut, 6 in., each.....\$2.50

SERRATED BLADES

No. S.T.-08—Length of blade cut, 8 in., each.....\$2.75
Approximate weight, 2½ lbs.

NOTCHED BLADES

No. V.B.-800—Length of blade cut, 8 in., each.....\$2.25
Approximate weight, 2¾ lbs.
All sizes have cutter knife and notch.

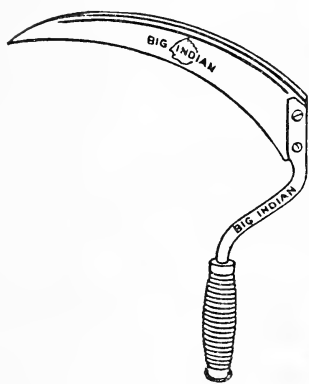
PRUNERS

No. V.-128.—8-inch, forged cutlery steel blades. Green enameled handles. Blued steel Volute spring. Each \$1.00

No. V.-179—9-inch. One piece carbon steel drop forged. Carefully tempered. Ground and set to cut clean and shear perfectly. Full polished blades. Green enameled handles. Volute spring. Each \$1.25

No. V.-21—9-inch. California pattern. Full polished handles. Heavy bolt and special ratchet nut. Heavy brass springs. Each.....\$2.50

GRASS HOOKS



No. 1 Big Indian



V.B. No. 1



V.B. No. 33



V.B. No. 1



V.B.F.-30

No. 1—Big Indian.—Scythe pattern. Tempered and polished crucible steel blade. Durable malleable shank, aluminum bronzed finish. Corrugated green enameled handle riveted to shank. Each.....\$1.00

V.B. No. 4—German pattern. Made of cutlery steel. Tempered. Ground wide, thin and sharp. Riveted stained handle. Each.....65c

V.-B. No. 33—Grass hook. Highly polished, tempered, whetted sharp. A perfect balanced hook. Varnished maple handle secured by three large rivets. Each 75c

V.B. No. 1—Forged, tempered and ground sharp. Hammer finish. Riveted green stained handle. Each 65c

V.B. No. F-30—Spading Forks—Forged, 3-tine. Polished and green enameled. Length 11 inches. Hardwood handle. Each.....50c

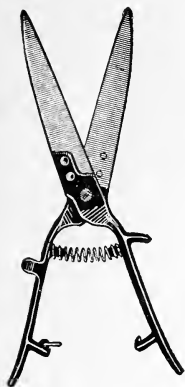


BOTTLE SPRAYER

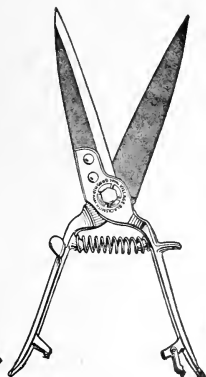
Made of brass, nickel plated and not affected by spray solutions. Furnished complete with bottle. Nozzle is adjustable for very fine or coarse spray. Useful for spraying disinfectants, house plants, etc. Weight 1 lb. each.

No. 375—Bottle Sprayer. Each..\$1.50

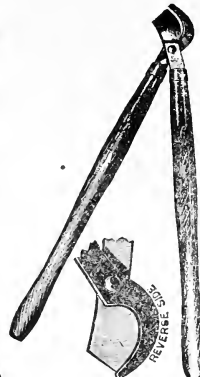
VILLAGE BLACKSMITH BETTER GARDEN TOOLS



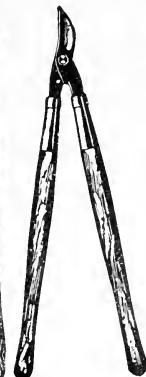
V. B. No. 3



V. B. No. 1



V. B. No. 20



N. B. No. 40



V. B. No. 830



V. B. T. No. 15

V. B. No. 1—Tempered, full hollow ground cutlery steel blades with wider and longer opening and cutting edge. Responsive, smooth and easy spring action. Convenient latch—Super malleable red baked enameled handles. Length 13 inches over all. Weight one pound each. Each \$1.25

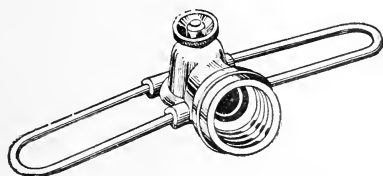
V. B. No. 3—Six-inch carbon steel blades. Blue enameled handles. Weight one pound each. Each \$1.00

No. T15—6-inch one-piece crucible steel blade and socket, half polished and green enameled. 8½-inch handle. Each 50c

V. B. No. 20—26 inches overall. Selected waxed ash handles. Heavy ferrules, gold bronzed. Weight 2½ lbs. each. Each \$2.00

V. B. No. 40—26 inches overall. California pattern. Selected wax ash handles. Heavy ferrules, gold bronzed, weight 2½ lbs. each. Each \$2.50

No. 830—Forged from ¾-inch octagon tool steel tempered. Five-prong blade. Polished. Width 2 inches, length over all 12 inches. Green enameled, corrugated handle, riveted. Each 50c



V. B. No. T19—Non-corrosive—won't clog—with clean-out brass plug. Equal distribution of water over large area. Base 8 inches wide. Can be pulled about the lawn without tipping. Each 75c



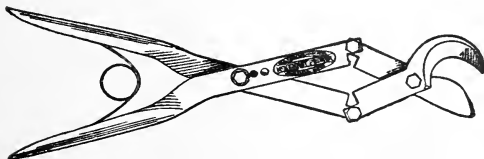
V. B. No. T25—6-inch. Transplanting. One-piece heavy rolled steel. Each 25c



V. B. No. T20—6-inch rolled steel, riveted blade, half polished and green enameled. Malleable tang. Each 25c

THE IMPROVED ALL-STEEL McKENNEY TREE PRUNERS

"The Most Powerful, Easiest and Fastest Cutting Pruner Made." "The Only Compound Leverage Pruner in the World"



No. 0 "McKenney" Hand Pruner



No. 1 "McKenney" Pruner

The only Pruners that will cut branch limbs close to the main limb, making better cuts than can be obtained by use of the finest tooth pruning saw.

The No. 0 is a one-hand pruner having compound leverage and two cutting blades. The blades are drop-forged from tool steel, the handles being smooth and round and easy on the hand. The spring used is quick acting. Pruner is so designed that it may be used in very thick shrubbery. Cuts limbs ¾ inch in diameter. Weight 1 lb., length 15 inches. Each \$2.00

The No. 1 cuts limbs one inch in diameter easily and perfectly. It is the lightest Pruner on the market for the size it cuts. It has two cutting blades drop forged from tool steel. The handles are of steel and the hand grip designed so that it may be carried on the belt. Weight 2½ lbs. Length 23 inches. Each \$3.50

ADD POSTAGE IF WANTED BY MAIL

GARDEN TOOLS AND SUPPLIES



FLORAL SHOVEL, No. FSD.—A light shovel for ladies' or children's use, suitable for planting shrubbery, transplanting potted plants, digging bulbs, etc. Each \$1.00



STEEL FLORAL RAKE, No. TR6.—Curved teeth and narrow width permit working among flowers without injuring plants. Each 70c

FLORAL HOE, No. TY4.—A light, sturdy tool for garden use by ladies and children. Each 90c



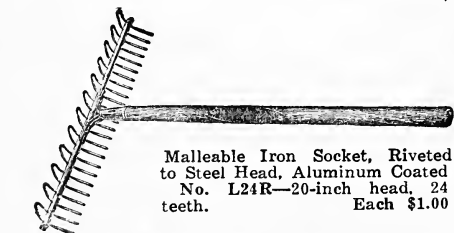
ACME WEEDING HOE, No. A.—The two small plover blades make this a convenient weeder. Each \$1.25



SOCKET FIELD AND GARDEN HOE, No. XXX7.—Extra thin, high polished blade. The finest product of the hoemaker's art. Each \$1.40



SIX-TINE POTATO DIGGING FORK, No. PO6D.—Round tines, blunt pointed, avoid injury to potatoes. Each \$2.00



Malleable Iron Socket, Riveted to Steel Head, Aluminum Coated
No. L24R—20-inch head, 24 teeth. Each \$1.00



LAWN AND DANDELION RAKE, No. LDR.—The saw teeth do not tear the grass roots but exterminate dandelions by cutting off blossoms before seeds can mature. Each \$1.00



SOCKET IRRIGATING SHOVEL
Long Handle, Round Point, Polished Blade.
Size No. 2, Width 9 1/2 inches, length 11 3/4 inches... Each \$2.00
Size No. 1, light pattern Each \$1.75



POTATO HOOK, No. 5.—The swan neck gives good clearance. The diamond-faced tines pull an entire hill of potatoes and leaves the soil behind. Each \$1.40



SPEEDY CULTIVATOR, No. SC4.—A time-saving tool for preparing the ground for seeding, and for cultivating. Unusually useful around flowers and shrubs. Each \$1.00



SPEEDY WEEDER OR MULCHER, No. SW9.—Soil flows over the narrow blade and returns to its original position, thus providing a mulch of loose soil. Each \$1.10



GERMAN PATTERN HANDLED HOE, No. OO.—For clearing new ground of heavy weeds, briars, runners and roots. Each \$1.10



"EASY KUT" HOE, No. NH7.—The shallow blade and three sharpened edges of this hoe make it unequalled for mulching and killing weeds. Each \$1.25



WARREN HOE, No. W7.—For opening seed rows, covering seed, hilling, cultivating and weeding. Has more uses than any other hoe made. Each \$1.35



Curved Polished Teeth, Heads and End Bows Forged from One Solid Piece of Steel Bronze Finish; 5 1/2 Foot XX Quality Handles.

Each	\$1.40	\$1.50	\$1.60
Nos.	12B	14B	16B
Teeth	12	14	16
Width of head, inches.....	12	14	16



SPADING FORK
D Handle.

Four 12-inch Heavy Angular Polished Tines, 7 3/4-inch Spread at Points, Strap Ferrule, Bronze Finish. XX Quality Bent Handle.

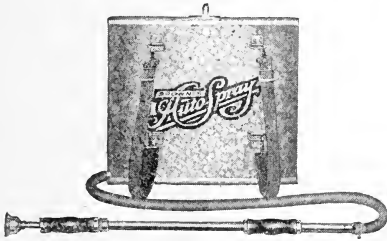
No. S94—4-foot long handle, each.....\$1.75
No. E9D—Steel D handle. Each..... 1.75



BROWN'S AUTO-SPRAY No. 9.—An excellent all-around sprayer for small trees, field crops, truck garden, vines, chicken houses, etc. Patented screw lock. Plunger locks into cylinder—permitting entire pump to be lifted from tank for refilling. Capacity 3½ gallons. Equipped with 2-ft. 5-ply hose, Auto-Spray nozzle, 2-ft. extension and auto-pop.
No. 9-D Galvanized.....\$6.75
No. 9-B Brass.....\$9.75

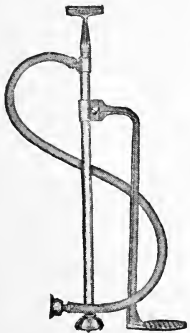
BROWN'S AUTO-SPRAY No. 50.—Built identical to No. 9, except of smaller capacity, which is 2½ gallons. Especially adapted for the use of the women folk or children. Equipped with 2-ft. 5-ply hose 18-in. extension, Auto-Spray nozzle and auto-pop.

No. 50-D Galvanized.....\$6.00
No. 50-B Brass.....\$8.50



BROWN'S AUTO-SPRAY No. 5.—Throws continuous spray on both up and down strokes, generating a pressure of 200 lbs., and will throw a stream forty to sixty feet

Auto-Spray No. 5 Pump, hose, 4 special nozzles and and strainer complete\$5.00
Auto-Spray No. 5-A Pump, complete as above, with 3½-gallon galvanized tank as shown.....\$8.00
No. 5-B Pump, complete as above, with 3½-gallon brass tank\$11.00



BROWN'S AUTO-SPRAY

No. 6 is generally acknowledged to be the most powerful bucket pump manufactured, generating a pressure of 200 lbs with remarkable ease. 15-in. foot rest permits its use with any size bucket. Complete with 3½-ft. hose and nozzle.....\$4.50

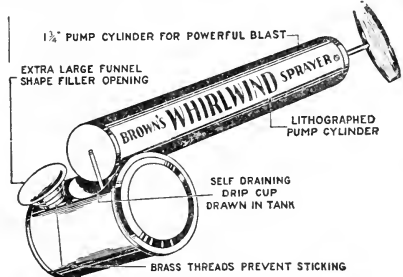


DUSTER BROWN No. 1

A small ½-pint duster. Direct action compression, very popular for small gardens and household plants.
Price 60c

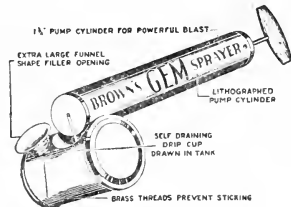


BROWN'S AUTO-SPRAY No. 26.—This atomizer will spray insecticide in a continuous fog of such great volume that it will fill an ordinary room full of vapor in one minute. Handles any insecticide. Trouble-proof construction. Easily cleaned.
No. 26-A All tin, 1 quart with legs.....\$.90
No. 26-B Tin Pump, brass tank 1 qt. with legs.....\$1.15
No. 26-C All brass 1 qt. with legs.....\$1.50



BROWN'S WHIRLWIND SPRAYER

A strong, well-balanced, single action atomizer. One quart capacity, well made and durable.
Price 50c



LITTLE GEM SPRAYER

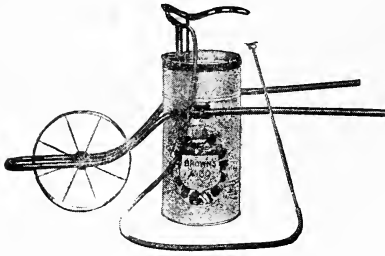
Well made and durable; capacity ½ pint. Excellent for spraying household insecticides, fly killers, etc. (Mailing weight 1½ lbs.)
Price, Gem No. 25, each 40c



This glass reservoir, single acting, twin jet atomizer is efficient and powerful. It has a large 1½-inch diameter pump, 18 inches long. It has a convenient drip cup which returns all drip to the reservoir. On account of its having two syphon tubes it throws a large blast of misty spray. Each 75c

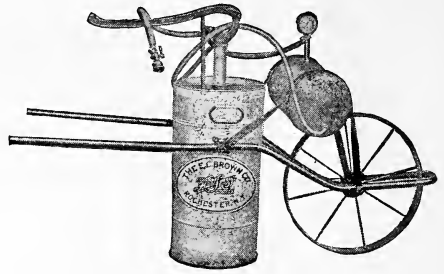
BROWN'S AUTO-SPRAY No. 26-AG

A new number—the No. 26 with glass tank. There are many reasons why a glass tank on a continuous atomizer is advantageous. It can be easily cleaned when a different type of solution is to be sprayed. The operator can always tell how much liquid is in the sprayer. The jar on this sprayer has a standard Mason fruit jar thread. Additional jars are easily obtainable. This atomizer has all the mechanical advantages of the Auto-Spray No. 26-A, B and C with the added advantage of the glass tank.
Price, each \$1.25



BROWN'S AUTO-SPRAY No. 30

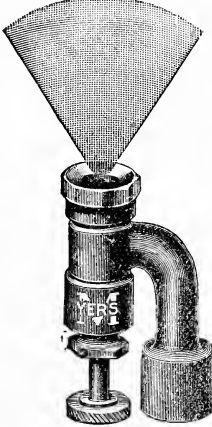
A new, low-priced, efficient and durable sprayer with 12-gallon tank, truck and wheel, suitable for handling all spraying solutions and whitewash. A very effective agitator, keeps all liquids constantly in motion. Weight packed for shipment, 50 lbs.
No. 30-D, galvanized tank.....\$15.00



BROWN'S AUTO-SPRAY No. 3-G

Twelve-gallon tank mounted on steel frame. Wheel has 2-inch face. Has air pressure chamber attached with gauge, which enables it to be operated by one person. A solidly built machine easily transported. Perfectly adapted to any and all spraying solutions, including whitewash and cold water paints. The best all-around wheelbarrow sprayer on the market today.
No. 3-G, 15-gallon tank and air chamber.....\$34.50

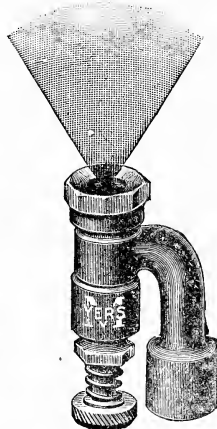
Fig. 1563



Regular Vermorel Nozzle.
80c

All Vermorel Nozzles fitted with two renewable plates, giving fine and coarse spray.

Fig. 1564



Graduating Vermorel Nozzle
80c

Fig. 1325



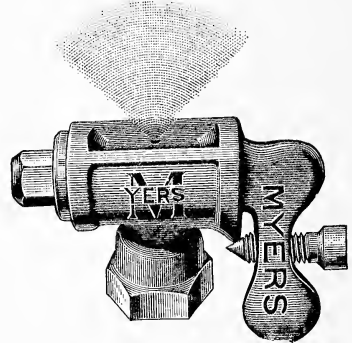
$\frac{3}{8}$ or $\frac{1}{2}$ inch hose, $\frac{1}{4}$ inch pipe.
35c

THE MYERS SPRAY NOZZLES

All fruit growers rightly contend that the nozzle is the most important part of the spraying outfit. It must be arranged to throw a mist and not drops. It is also a fact that more harm is done by using sprinkling nozzles than if no spraying was done at all. By putting on too much material you damage the foliage. The best results are obtained by covering the entire surface and with just as little in one place as possible.

Fig. 1564 is constructed on the general plan of the Vermorel Nozzle, with the improvement that the spray can be graduated from a fine mist up to a solid spray, carrying the stream a much greater distance. This is accomplished by adjusting the screw plunger by means of a thumb nut. The disgorger is operated by the screw plunger instead of spring as in Fig. 1563.

Fig. 2097



Bordeaux Nozzle. ..\$1.00.

Fig. 1283

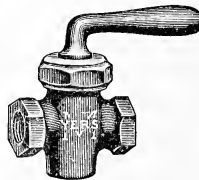


Fig. 1284

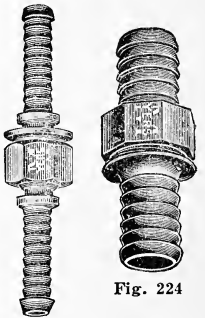


Fig. 224

Fig. 2097, Bordeaux Nozzle, will throw a fine fan-shaped spray and will readily free itself, should it become clogged, by turning the cock handle. It will throw a solid stream or it may be shut off altogether, as desired. Has double face; gives greater wear. All nozzles fitted with standard $\frac{1}{4}$ -in. pipe thread.

FIG. 1283—LEVER SHUT-OFF COCK
No Dripping.

All brass. Tapped $\frac{1}{4}$ -inch pipe size.
Price, each\$1.00

FIG. 1284—BRASS HOSE COUPLINGS, SURE GRIP
With heavy ribs, of sufficient length to use two hose bands for use with power spray pumps.
 $\frac{3}{8}$ and $\frac{1}{2}$ -inch sizes. Price, complete, each.....60c

Female half (2 pieces).....40c

FIG. 224—BRASS HOSE COUPLINGS

Size, inches.....	$\frac{1}{2}$	$\frac{3}{4}$
Complete, price, each.....	35c	45c
Half coupling, female, price, each.....	20c	25c

Planet Jr.

No. 3 Hill and Drill Seeder



\$17.50

Made for the market gardener or farmer who has a good-size garden. Hopper holds three quarts—enough to plant about one-quarter acre in seed. Plants practically all vegetable seeds in straight, narrow, continuous rows or dropped in hills 4, 6, 8, 12 or 24 inches apart. Marks the next row at the same time. Seed control and shut-off located at top of handle, making easier operation.

No. 300 Drill Seeder
\$20.00



A drill seeder with a new and accurate seed dropping device, large, wide-tread wheels, and of light but sturdy construction. Runs easily, sows accurately and in straight rows, marks out the next row, covers the seed and does everything a good seeder should do. Designed specifically for sandy soil or muck, but works equally well in any soil. Features such as detachable hopper and scrapers add to its efficiency.



No. 25 Combined Hill and Drill Seeder and D.



W. H.
\$21.50

"The Complete Gardener." Plants practically all vegetable seeds at the proper depth in straight and narrow continuous rows or in hills 4, 6, 8, 12 or 24 inches apart. Easily changed into a double or single wheel hoe. Attachments are those most needed—hoes for weeding and shallow cultivation—cultivator teeth for general and deeper cultivation and plows for furrowing, covering and weeding.

No. 4 Combined Hill and Drill Seeder and S.
W. H.—\$18.00



The No. 4 is a combination of the most useful tool for a home garden. Plants almost all vegetable seed in continuous rows or in hills 4, 6, 8, 12 or 24 inches apart. A plow adjustable for depth opens a straight narrow furrow, the seeds are dropped in it, are covered and the soil firmed and the next row marked out all in the same operation. Converted into a single wheel hoe by changing one bolt. Cultivating equipment includes the most useful attachments—hoes for weeding and shallow cultivation, cultivator teeth for deeper and general cultivation, and the plow for furrowing and ridging.

PLANET JR. SEEDER ATTACHMENT No. 35

Weight 8½ lbs. \$6.50
With handle 9½ lbs. 7.25

It makes planting a small garden easy. Nothing fancy or complicated about it—no extra attachments—you don't need experience to run it. With one bolt it fastens to any Planet Jr. Wheel Hoe or Garden Plow or you can bolt a home-made handle to the bracket on the rear of the hopper and go ahead. Used in this way it is well suited for planting in hot-beds and green-houses.



Many people have an idea that planting and cultivating a garden is hard work. It is if you plant by hand and cultivate with the ordinary garden hoe or cultivator. With the No. 35 you put a 5-cent packet or pint of seed in the hopper, set the seed index lever at the seed you are going to sow and start. The furrow is opened, the seeds are planted and covered as you go. There is no stooping and back-cracking and the job is done in much less time. The seeds are at an even depth and in straight narrow rows, making cultivating easier and quicker.

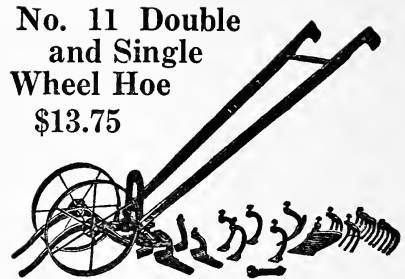
Remember this attachment does not replace our regular line of seeders. It is intended for the small kitchen garden where the rows are usually short and not large enough to warrant buying a complete seeder. It is just as accurate as the larger models and the change from one seed to another is made in a few minutes.

Planet Jr. Garden Tools



**No. 16 Single
Wheel Hoe**
\$9.00

Equipment very complete including one pair 6-in. hoes for weeding and shallow cultivation, three cultivator teeth for general and deeper cultivation, one plow with landside for hilling, ridging and plowing, one 3-tooth and one 5-tooth rake for fine, close cultivation and one leaf lifter which is useful in protecting overhanging leaves and vines. An ideal machine for family garden.

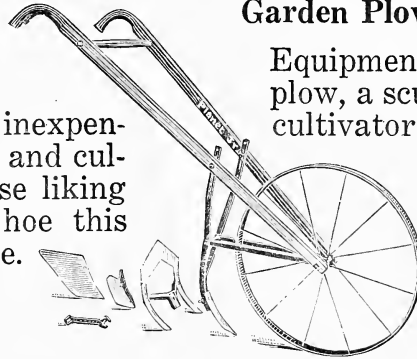


**No. 11 Double
and Single
Wheel Hoe**
\$13.75

Equipment is complete, including one pair 6-in. and one pair 4½-in. hoes for weeding and shallow cultivation, four cultivator teeth for deeper and general cultivation, one pair plows for plowing, covering and ridging, two 3-tooth and two 5-tooth rakes for fine, close cultivation and a pair of leaf lifters which lifts the leaves and vines out of the way when the plants are more fully grown. Frame is adjustable for rows of different width.

No. 119

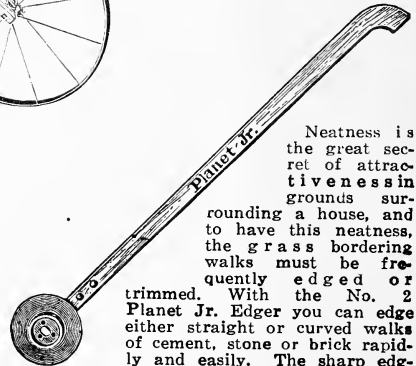
A sturdy and inexpensive garden plow and cultivator. For those liking the high-wheel hoe this tool is the favorite.



Garden Plow \$4.50

Equipment includes a large plow, a scuffle blade and three cultivator teeth

**No. 2 Planet
Jr. Edger**



Neatness is the great secret of attractiveness in grounds surrounding a house, and to have this neatness, the grass bordering walks must be frequently edged or trimmed. With the No. 2 Planet Jr. Edger you can edge either straight or curved walks of cement, stone or brick rapidly and easily. The sharp edging is made of high-grade steel and will last for years. The tool is extremely simple and easy to operate, and there is nothing to get out of order. Your lawn mower needs an assistant—the No. 2 Planet Jr. Lawn Mower—to finish the job. \$1.60.

STAR PULVERIZER

A very good tool for cultivating, pulverizing, leveling. Discs break up the soil and scuffle blade weeds, smoothes and cultivates. Especially efficient after a rain. \$3.25.



S100-1 Hoes
6-in.
\$1.30 pr.



Disc Hoes
\$3.50 pr.



R-6 Plow
\$1.30



M-N5 Plows
\$1.40 pr



1395 Teeth
35c ea.



Keep your dog well with **DELCREO** Dog Remedies



Delcreo for Distemper, Black Tongue, Pneumonia, etc.

In many of the most fatal diseases the injury to the organs which result in the loss of the dog often occurs in the early stages of the infection. Delcreo, if promptly administered, will quickly rid the system of the germs which cause disease. Price per 4 oz. bottle \$1.50; 16 oz. \$5.00.

DELCREO TONIC AND CONDITIONER

It is especially valuable for bitches in whelp and growing puppies. It destroys stomach parasites, including worms as they emerge from the eggs. Puppies conditioned with Delcreo show an even and healthy growth.

Unquestionably the best insurance against disease.

Price per 2 oz. bottle 75c.

DELCREO SOLUBLE SULPHUR OINTMENT A Soothing and Healing Antiseptic Salve

For application in all skin affections, such as eczema, mange, pustular eruptions and sores produced by scratching or irritants.

It readily heals cuts and wounds and is most adaptable for canines and felines, as it is absolutely harmless and will not hurt the animal if licked off.

Price per 1 oz. jar 50c; 4 oz. jar \$1.50.

SULFMINOL

A Sulphurated Mineral Oil for General and Chronic Constipation

Sulfminol is a combination of pure White Mineral Oil with our Soluble Sulphur Compound. It has a high specific gravity. The mechanical action of the oil is greatly enhanced by the tonic and laxative properties of the sulphur. There is absolutely no interference with the muscular action of the bowels. Sulfminol corrects constipation without any after-effects.

Price per 4 oz. bottle 50c; 16 oz. bottle \$1.50.

DELCREO TAPEWORM TABLETS

How to give Delcreo Tapeworm Tablets

Give no food for eighteen hours and no water for twelve hours before giving the tablets and withhold food for three hours after dosing. No purgative is necessary. Give one tablet for small dogs, two tablets for dog of medium size and four tablets for large dogs. The dog should be kept under observation and the worm burned or buried. Weak or sick animals should be given diminished doses.

Package 75c.

DELCREO INSECT POWDER

Kills Fleas, Lice on Dogs, Cats, Foxes and Poultry. Price: 3 oz. sifter top can, 50c.

DELCREO EYE LOTION

For weak, sore, running, matted, inflamed eyes and lids and for film or abscess on eye. Strengthens weak eyesight.

2-oz. bottle, 60c.

DELCREO SOLUBLE SULPHUR COMPOUND

An effective treatment for eczema, rheumatism or kennel lameness and as a blood purifier. It may be given as medication or may be added to the drinking water.

Price: per 2 oz. bottle 60c; 4 oz. bottle \$1.00. Price box capsules \$1.00.

DELCREO SOLUBLE BATH SULPHUR

For Fleas, Mange, Eczema and Other Skin Diseases

A mange cure, to be effective, must reach every part of the body to destroy the parasites which are

distributed by rubbing and scratching. This is accomplished by our Bath Sulphur.

It is superior in every way to kennel soaps and dips containing coal tar, carbolic acid or other caustic chemicals.

Price per 4 oz. bottle \$1.00; 16 oz. bottle \$3.00.

DELCREO VITAMIN TESTED COD LIVER OIL WITH PHOSPHOR AND LACTATE OF LIME

Especially beneficial for growing puppies. Promotes growth, health and stamina. An important factor in conserving calcium in the body and improving the calcium content of the milk of nursing animals. Pint cans, \$1.25; quart cans, \$2.00.

Add postage if wanted by mail.

DELCREO DOG SOAP

A pure, neutral, antiseptic soap for cleansing and stimulating the skin and coat. Prepared from the purest oils. It contains no injurious chemicals. It will kill fleas and prevent skin diseases. A skin tonic. The best dog soap on the market.

Price per 4 oz. cake 25c.

DELCREO WORM TABLETS

In order to simplify the treating of Dogs and Puppies for Round or Stomach Worms, we have prepared the Delcreo Worm Tablets in two packages: "For Dogs" and "For Puppies and Toy Breeds."

These tablets are very easy to administer and may be given to puppies of any age.

Round or Stomach Worm.—This is one of the most common of all varieties of worms. It is round, firm and varies in color, white, yellowish white, bluish gray or slightly reddish. The mature worm is from one and one-half to seven inches long and about one-eighth inch in diameter. It is transmitted from one dog to another by means of eggs, which are found in the excrements of affected dogs. These eggs become scattered and in this way food and water are contaminated. When the eggs are swallowed they are hatched in the intestines. The worm larvae pass through the walls of the digestive tract and enter the blood stream. From the blood they pass into the lungs, often causing pneumonia. They then enter the air passages and work their way into the throat to be swallowed a second time and grow to maturity. One dosing will only remove the mature worms from the intestines. More than one treatment must be given to destroy the young worms in process of development. Special attention should be given to brood bitches to ensure their freedom from worms before breeding, because the larvae may reach the unborn pups by way of the maternal blood stream and destroy the litter.

Symptoms.—Restlessness, twitching of the abdomen during sleep, nausea, unpleasant breath, irregularity of the bowels, bloated abdomen in puppies, rough, harsh and lusterless coat, irregular appetite and a tendency to eat sticks, stones, filth and other unnatural matter.

DIRECTIONS FOR GIVING DELCREO WORM TABLETS

Always give on an empty stomach

For Puppies 2 to 6 months give one (1) to four (4) Puppy Tablets, according to age, breed and weight. Each 65c.

For Puppies under 2 months give one-half the dose. For Dogs give one (1) to four (4) Dog Tablets. Each 65c.

Repeat the dose every two weeks until no worms appear.

No laxative is needed with Delcreo Worm Tablets.

Send for our **KENNEL MANUAL** which gives the symptoms and treatment of all common diseases of the dog with directions for care and feeding. Sent free on application.



Q-W Dog Remedies

WHAT "Q-W" STANDS FOR



The very best drugs are used, regardless of price, the same as supplied by the most exclusive doctors and hospitals for humans. The Q-W remedies are compounded from drugs as pure as those you would use on your own child. Some of these drugs are imported from foreign lands for the benefit of your dog.

Q-W Mange and Flea Soap.—A wonderful sulpho-cresol cleanser, skin healer, vermin killer, for dogs, cats and all other animals. \$1.00 and \$3.00 sizes.

Q-W Condition Powder.—Blood purifier, stomach cleanser, digestion corrective, bowel regulator. Puts and keeps dogs in condition. Gives pep, ginger. \$1.00 and \$3.00 sizes.

Q-W Mange Cure.—Instantly stops the itch, quickly heals up mange, eczema and other skin eruptions on all domestic animals, grows luxuriant hair on man or beast. \$1.00; qt., \$3.25; gal., \$12.00.

Q-W Worm Expeller.—Expels in one hour all intestinal parasites from dogs, cats, foxes, rabbits, etc., including round, hook and seat worms. Quick sure, safe. \$1.00 and \$2.50 sizes.

Q-W Tape Worm Expeller.—Quickly eradicates tape worms, expels head (the important part) as well as segments. \$1.00 and \$2.50 sizes.

Q-W Liquid Sulphur Compound.—For bathing dogs with itch, giving sulphur baths, cooling blood in eczema and giving dogs sulphur in their drinking water. Fine for sulphur baths for humans, too. \$1.00 and \$1.75 sizes.

Q-W Verminol.—Powerful disinfectant, germ and vermin killer, dog dip. Kills fleas, lice, mites instantly. Pt., \$1.25; qt., \$2.00; gal., \$6.50.

Q-W Phosphated Cod Liver Oil Compound With Lime.—Quickest food builder for wasting diseases, distemper, run-down condition, rickets, etc. Marvelous bone grower for pups. Indispensable in kennel. Pt., \$1.25; qt., \$2.00; gal., \$7.00.

Q-W Tonic and Red Blood Builder.—Quick, sure pick-up tonic for anemic run-down animals or humans. Valuable in distemper. \$1.00.

Q-W Distemperol.—For the treatment of distemper, carrying animal safely through disease. \$2.00 and \$3.50 sizes.

Q-W Black Tongue Mixture.—For prevention and cure of black tongue. \$2.00 and \$3.50 sizes.

Q-W Flea Oil and Coat Grower.—For killing all vermin on dogs and other domestic animals without wetting, and keeping off flies, fleas, lice, etc. Instantly applied. Simply rub into coat. Pt., \$1.00; qt., \$1.75; gal., \$6.00.

Q-W Constipation Pills.—Quick, safe laxative. No evil after effects. Splendid for humans, too. \$1.00.

Q-W Rheumatism Tablets.—For rheumatism, stiff joints, partial paralysis and gout. Cures rheumatism in humans, too. \$1.00.

Q-W Liniment.—For sprains, bruises, rheumatic or muscular cramps or pains, kennel stiffness, and partial paralysis. \$1.25.

Q-W Fit and Sedative Tablets.—For fits, convulsions and nervous dogs. Soothes nerves, kills pain, promotes sleep. \$1.25.

Q-W Cough Mixture.—For colds, coughs and all bronchial troubles. \$1.00.

Q-W Diarrhea and Dysentery Cure.—Stops loose bowels, soothes and heals inflamed intestines. \$1.25

Q-W Breeding Tablets.—For stimulating sexual powers in dogs. Makes males serve vigorously, bring backward bitches in season, induce conception. \$2.00.

Q-W Eye Salve.—For weak, sore, running, mattered, inflamed eyes and lids and for film or abscess on eye. Strengthens weak eyesight. \$1.00.

Q-W Ear Canker Cure.—For internal sores, abscesses, cankers, etc., of the ear, causing dog to hold head on one side, scratch ear, etc. \$1.25.

Q-W Flea Powder.—For dry-killing fleas on dogs, especially suited to small dogs and for use in winter. Per box, \$1.00.

Q-W Healing Salve.—The pride of the Q-W, a wonderful quick healer for all sores, cuts, tears, ulcers, cankers, rashes, blisters, sore footpads, etc. Fine for hunting dog that gets torn up. Good for other animals, too, and for humans. \$1.00 and \$3.00 sizes.

60-MINUTE WORM REMEDY

A wonder in action, yet perfectly harmless to the dog or pup. There is no danger or bad after-effects from this remedy—it is a vegetable compound and produces unflinching results within two hours, generally within 30 or 40 minutes. Use Sixty-Minute Worm Remedy and nothing else. Keep your pets free from worms and you will greatly reduce the danger of Distemper, Paralysis, Eczema, etc.

Every pup should be wormed when weaned and again every 2 or 3 months. Full instructions with every container.

Prices, postpaid—Small carton, 6 doses, 60c; 15 doses, \$1.00; 36 for \$2.00; 75 for \$3.75; kennel size, 110 capsules, \$5.00.

GLOVER'S DOG REMEDIES

An Old and Well-Known Line of Dog Preparations

	Sizes.	Postpaid
Mange Medicine	\$0.65	\$0.75
Distemper Medicine	1.25	1.35
Vermifuge .....	.65	.70
Tapeworm Capsules .....	.65	.70
Worm Capsules .....	.65	.70
Sulphur Tablets .....	.65	.70

CALO DOG FOOD

THE WONDER DOG AND CAT FOOD

Calo is a cooked canned meat product, ready to feed, containing meats, cereals, vegetables and oils.

No cooking; no waste; no mess.

Prices: Pound can, 15c; dozen, \$1.50.
Add postage if wanted by mail.

KEN-L-RATION

The dog food supreme—a perfect balanced ration ready to serve. This food contains red meat organic iron, calcium phosphate, cod liver oil and marrow, fat, etc.—all elements necessary for health, strength and full development of dogs. All ready to feed.

Prices: Lb. cans, 15c each; \$1.70 dozen. (If wanted by mail add postage.)

Pup-E-Ration.—The perfect puppy ration. Prices: Lb. can, 20c; dozen, \$1.75.

Hemo-Ration.—The ideal food for breeders, anemics and convalescents. Prices: Lb. can, 15c; doz., \$1.70.

Add Postage if Wanted By Mail

SPRATT'S DOG AND PUPPY FOODS

FOR EVERY AGE AND BREED



From tiniest puppyhood when SPRATT'S PUPPILAC proves the ideal weaning food until the time when, as a strong, healthy dog, he is thriving on SPRATT'S crisp, meaty biscuits and nourishing meals, there are SPRATT'S FOODS which cater to every stage of growth, every possible need. Ask us for a copy of "SPRATT'S HINTS ON THE CARE AND FEEDING OF DOGS." It's a 54-page book full of useful information for dog owner and it's free. If you have a puppy to "house-break," ask for a free copy of "SPRATT'S HINTS ON REARING PUPPES."

FOODS FOR PUPPIES

Spratt's "Puppilac" will raise puppies from birth if necessary.

Spratt's Puppy Meal to be alternated with Puppilac.

Spratt's Pepsinated Puppy Meal to be used if puppy is inclined to be weak or poorly nourished.



Spratt's Bone Meal for Puppies to build bone and frame.

Spratt's Puppy Biscuits to be fed as soon as puppy gets teeth and is able to gnaw.

FOODS FOR GROWN DOGS

Spratt's Dog Cakes, a meaty, crisp biscuit that should be the staple diet of all large dogs.

Spratt's "Kibbled" Dog Cakes; broken up to nut size.

Spratt's Ovals.—A small oval biscuit that is relished by all dogs, large and small.

Spratt's Fibo.—A granulated food that is especially nourishing and appetizing.

Spratt's C. L. O. Biscuits.—Contain cod liver oil and intended for run-down dogs and a good change in diet for a dog.

Spratt's Charcoal Ovals.—Every dog and puppy should have a full meal of these biscuits once or twice each week; stomach conditioner and gas absorber.

PRICES OF SPRATT'S DOG AND PUPPY FOODS

	BULK					PACKAGES	
	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.	Approx. 2 lbs.	
Dog Cakes (whole)	\$.75	\$1.45	\$3.10	\$6.00	\$11.75		\$.40
Kibbled Dog Cakes .....	.80	1.50	3.20	6.15	12.00		
Ovals .....	.80	1.55	3.35	6.50	12.75		.40
Fibo .....	.85	1.65	3.60	7.00	13.75		.45
Charcoal Ovals .....	.80	1.55	3.35	6.50	12.75		.45
Puppy Biscuits .....	.80	1.55	3.25	6.25	12.25		.45
Cod Liver Oil Biscuits.....	.80	1.55	3.35	6.50	12.75		.45
Puppy Meal .....	.75	1.45	3.10	6.00	11.75		.30



SPRATT'S DOG AND PUPPY REMEDIES

Spratt's Worm Capsules for Grown Dogs.—For round maw and tapeworms. Price 60c

Spratt's Puppy Worm Capsules.—May safely be given to 6 weeks old puppies. Price 60c

Spratt's Tapeworm Tablets.—A special remedy for tapeworms. Price 60c

Spratt's Special Tablets.—For treating distemper. Price \$1.00 for either puppy kind or grown dog kind.

Spratt's Mange Medicine.—For treating mange trouble. Price \$1.00

Spratt's Cooling Tablets.—For clearing blood of all impurities. Price 60c



Spratt's Ear Canker Ointment.—For both external and internal foms. Price 75c

Spratt's Cough Tablets.—Generally effect a quick cure. Price 60c

Spratt's Constipation Tablets.—A gentle and effective laxative. Price 60c

Spratt's Digestive Tablets.—For indigestion.

Price 60c

Spratt's Chorea Tablets.—For chorea, St. Vitus dance, fits. Price 60c

Spratt's Diarrhea Tablets. Price 60c

Spratt's Dip.—For washing, cleaning, etc. Every dog owner should keep this on hand. Price 75c

Spratt's Eczema Ointment.—An effective remedy for all kinds of skin diseases. Price 60c

Spratt's Purgative Tablets.—Safe and effective. Price 60c

Spratt's Flea Soap.—Fine for skin and coat. Price 25c

Spratt's Rubber Bones.—A splendid play-toy for your puppy or dog. Price 60c

Spratt's Antiseptic Soap.—For skin trouble, etc. Price 25c

Spratt's Flea Powder.—A very efficient remedy for fleas, insects, etc. Price, 30c

Spratt's Sorbo Dog Balls.—Pure gum rubber. Provides plenty of exercise and amusement.

Large size for large dogs.....\$1.00

Medium size for medium dogs......75

Small size for small dogs......50

We have a full line of Spratt's Imported Combs, Brushes, Leads, etc., and, if you will call at our store we will gladly show these goods to you.

ADD POSTAGE IF WANTED BY MAIL.

PULVEX Kills Fleas

on Dogs, Foxes, Cats and All Pets, being Odorless and Non-Poisonous

KUR-MANGE

Internationally famous as a dependable cure for many forms of Mange, Kur-Mange stands unique in the favor of dog and cat breeders as an odorless and non-poisonous preparation. Despite its great effectiveness, it is entirely harmless to the animals. It contains no grease, oil, sulphides or other objectionable ingredients and leaves in the coat nothing that will rub off.

House pets under Kur-Mange treatment need not be confined or denied the run of the home for they will not spot, stain or scent the house furnishings. The mangy animal need no longer be a social outcast during treatment.

Kur-Mange is a fine powder, to be dissolved in water and applied either as a wash, bath or dressing. In addition to mange it is highly effective in curing many superficial skin diseases, such as eczema and ringworm. Kur-Mange kills fleas, lice, ticks and mites in a single treatment.

OLD TRUSTY DOG FOODS

"OLD TRUSTY" ALL TERRIER FOOD

A carefully mixed food of even balance, granulated to a medium size that quickly absorbs liquids—an ideal ration relished and desired by all breeds, particularly terriers and active dogs. Especially fine mixed crumbly moist with "Old Trusty" Climax or "Old Trusty" Se-Food.

5 lbs., 80c; 10 lbs., \$1.55; 25 lbs., \$3.35; 50 lbs., \$6.50; 100 lbs., \$12.75.

Add postage if wanted by mail.

"OLD TRUSTY" DOG CAKES

(Whole or broken)

Three-inch squares of clean, wholesome nutrition. For chewing exercise substitute their crisp freshness in place of the tasteless bone that may splinter and end the career of your four-footed pal.

5 lbs., 80c; 10 lbs., \$1.55; 25 lbs., \$3.35; 50 lbs., \$6.50; 100 lbs., \$12.75.

Add postage if wanted by mail.

"OLD TRUSTY" CLIMAX

A beef product. Various parts of the beef animal such as glandular organs, meat, etc., make Climax unquestionably the peer of all canned foods. Thoroughly cooked to about the consistency of a meat loaf, containing no cereal or fillers to lower its wealth of nutrition. For rich broth add 3 parts hot water. 1-lb. cans. 24 cans to case.

1-lb. can, 20c; dozen, \$2.00; per case, \$3.50

Add postage if wanted by mail.

"OLD TRUSTY" SE-FOOD

A fish product. The Tuna and Mackerel from which Se-Food is made offers a distinct change that is highly beneficial. Packed absolutely fresh, a delicious flavor is retained that will whet the appetite of the most fastidious of man's best friends. Like Climax, no cereal is used to lessen its natural richness.

1-lb. cans. 48 cans to case.

1-lb. can, 20c; dozen, \$2.00; per case \$7.00

Add postage if wanted by mail.

PULVEX

Pulvex is the new and remarkable dusting powder for animals and birds. Every pet fancier will welcome the arrival of this surprising substance which makes possible at last the thorough cleansing of the animals and birds of fleas, lice, ticks or mites in a single application.

One application of Pulvex is enough, because Pulvex is thorough, because unlike ordinary powders, it actually kills the insects, not merely stunning or stupifying them. Pulvex is different in every way from anything else you have ever used. It is better, safer and easier.

¼ oz. Canary size.....	\$.25
2 oz. Sifter top can.....	.50
12 oz. package.....	1.25
5 lb. package.....	6.00
15 lb. package.....	15.00

SOPEX

All dog fanciers marvel at the prime condition and healthful beauty of the animals at the dog shows. You will be surprised to know that this perfection in grooming does not require tedious, painstaking hours, but can be obtained easily, quickly and with no more trouble than an ordinary bath by using Sorex—the dog exhibitor's favorite shampoo.

Your dog can be easily kept in show ring condition with Sorex. Thorough cleansing, prompt destruction of fleas and lice, healthful stimulation of the skin and the development of the true natural beauty of the coat are the quick results of a Sorex shampoo.

Sorex requires even less time than ordinary dog soaps because no rinsing is necessary. It imparts a glossy sheen to the coat and does not dry or tighten the skin. Fleas and lice are quickly destroyed by Sorex in a single bath.

Sorex simplifies the grooming of your animal. A small trial package will quickly convince you.

2 oz. (makes one gallon).....	\$.50
4 oz. (makes two gallons).....	.75
1 ½ lbs. (makes 12 gallons).....	3.00
7 lbs. (makes 56 gallons).....	10.85
20 lbs. (makes 160 gallons).....	30.00

SPRATT'S CAGE BIRD FOODS AND SUPPLIES



SPRATT'S ROLLER CANARY MIXTURE.—Contains a combination of 18 choicest seeds and will improve the health of songsters and develop their singing power. Full size package, 25c.

SPRATT'S MOULTING FOOD.—A valuable tonic mixture and a wonderful feather producer. 9-oz. pkge., price 25c

SPRATT'S MIXED BIRD SEED.—A well-balanced mixture. 15-oz. pkge., price 20c

SPRATT'S COLOR FOODS (Red or Orange).—Deepens the natural color of the plumage. Purely vegetable.



SPRATT'S SONG RESTORER.—An invigorating tonic and treat for canaries and all kinds of cage-birds. Price 25c

SPRATT'S SING SONG.—An appetizing food that your bird will enjoy. Price 15c

SPRATT'S QUINELLA.—For all stomach trouble. Price 25c

SPRATT'S CANARADYNE.—For asthma and wheezing, etc. Price 25c

SPRATT'S MITALENE. Price 25c

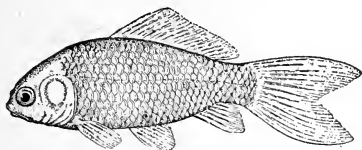
SOFT BILL BIRD FOODS

SPRATT'S MOCKING BIRD FOOD.—For mocking birds, robins, thrushes and all soft-billed birds. Tins 30c

SPRATT'S ANTS EGGS.—A treat for soft-billed and insectivorous birds. Price 25c

SPRATT'S ZEKE (Dried Flies).—A valuable food for all cage-birds, turtles, etc. Price 15c

FISH FOODS



SPRATT'S AQUARIUM FISH FOOD.—The best food for goldfish, etc. Price 10c

SPRATT'S WAFER FISH FOOD. Price 10c



SPRATT'S C. L. O. NESTLING FOOD.—A wonderful food for raising young birds and a splendid tonic food for all birds the year round. Prices: 4-oz. pkge., 15c; 9-oz. pkge., 25c.

SPRATT'S BIRD TONIC.—A splendid general tonic. Bottles, 25c

SPRATT'S BIRD LICE DESTROYER.—A powder for dusty, thin feathers. Bellows, 25c

SPRATT'S RED MITE TRAPS.—Will aid greatly in keeping cages free from red mites. Price 25c

SPRATT'S BALD HEAD SALVE. Price 15c

SPRATT'S SORE FOOT SALVE. Price 15c

SPRATT'S FLAKE CHARCOAL. Price 15c

SPRATT'S NESTING HAIR.—Sanitary and very satisfactory. Pkge. 10c

PARROT FOODS

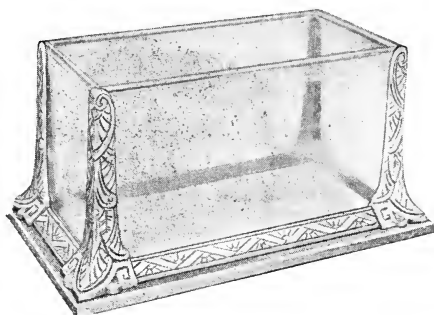
SPRATT'S PARROT MIXTURE.—A mixed food which should be fed at all times. 16-oz. pkge., price 25c

SPRATT'S POLLICRACKERS.—Your parrot will appreciate these specially prepared crackers. 10-oz. pkge., Price 20c



SPRATT'S PARRAKEET and LOVE BIRD MIXTURE.—A mixture of best seeds obtainable for these birds. Price 25c

SPRATT'S PARROT TONIC.—Should be given occasionally, especially during moulting season. Price 30c



We carry a full line of Aquariums

SPRATT'S CAT FOODS

SPRATT'S CAT FOOD.—A whole and complete food for cats and kittens. Price 30c

SPRATT'S MALTED KITTEN FOOD.—For weaning kittens. Price 35c

SPRATT'S CATNIP LEAVES.—Very beneficial. Price 15c

SPRATT'S CATNIP MICE.—Your cat will enjoy these. Price 15c

SPRATT'S CAT WORM CAPSULES.—Price 60c

SPRATT'S KITTEN WORM CAPSULES. Price 60c

SPRATT'S CAT COUGH TABLETS. Price 60c

SPRATT'S CAT CONSTIPATION TABLETS. Price 60c

SPRATT'S CAT DIARRHEA TABLETS. Price 60c

SPRATT'S CAT DIGESTIVE TABLETS. Price 60c

SPRATT'S CAT ECZEMA OINTMENT. Price 60c

SPRATT'S CAT PURGATIVE TABLETS. Price 60c

SPRATT'S CAT TONIC AND CONDITION TABLETS. Price 60c

SPRATT'S SPECIAL TABLETS FOR CATS.—Treating distemper. Price 75c

ADD POSTAGE IF WANTED BY MAIL

HALLER'S CANARY BIRD REMEDIES



CANARY BIRD PIE

This tonic food and song restorer is prepared from a formula derived from 40 years' study of Canary birds and their many diseases. It is a special remedy for loss of song, weakness, asthma, shedding of feathers out of season and many other ailments familiar to Canaries.

It acts as a tonic and a builder, and will cause a bird to resume singing when all other means have failed. It is absolutely harmless, and its content is made up only of the best ingredients.

Price, per package, 15c; postpaid, 17c.

HALLER'S MOULTING FOOD

Is a wonderful tonic and is especially prepared for canaries and all seed-eating birds.

Should be fed during the moulting period when the bird is weak and in general bad condition brought about in most cases by continual moulting.

Price, each 25c; postpaid, 30c.

HALLER'S CANARY LICE POWDER

A very effective remedy for lice, mites, etc., that are so troublesome to canaries and all other cage birds. Price, per package, 25c; postpaid, 30c.

HALLER'S SUPERIOR BIRD CAGE WASH

An antiseptic, germicide, disinfectant, non-poisonous cage-wash, that kills lice, destroys eggs, relieves itching, and stops the birds from pulling its feathers.

Price per bottle 25c; Postpaid 30c.

HALLER'S PARROT TONIC

A special preparation for Parrots, will cure colds, remove all slime from nose and eyes, and restore the Parrot to good condition.

Price per bottle 25c; Postpaid 30c.

HALLER'S SUN DRIED JAPANESE PEPPERS

An excellent blood purifier, that will put the bird in tip top condition.

Price per package 10c; Postpaid 15c.

HALLER'S MOCKING BIRD FOOD

For Nightingales, Robins, Thrushes, Sky Larks, Black Birds, Minors, Clarinos, and all soft billed birds, a specially prepared food, mixed and put up exclusively by us, contains best ingredients, and its use will keep the birds in beautiful plumage and song.

Price per bottle 35c; Postpaid 45c.

HALLER'S NATURAL FISH FOOD

Prepared with the greatest care in our sanitary laboratory of the best materials, contains ingredients of high protein content. Will keep your fish in a healthy condition, should be fed only once a day, and at a regular hour.

Price per package 10c; Postpaid 12c.

HALLER'S ORIGINAL BIRD TONIC

A very excellent remedy for birds afflicted with loss of song, asthma, hard breathing, weakness of moulting, colds, shedding of feathers out of season and diseases of Canaries and other cage birds. It is a preventative as well as a cure for all diseases.

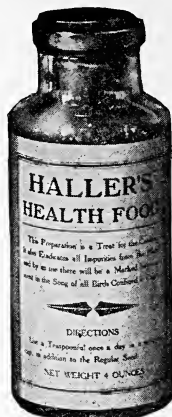
Price per bottle 25c; Postpaid 30c.

HALLER'S HEALTH FOOD

This preparation builds up and strengthens the bird, promotes vitality and sound digestion. It eradicates all impurities from the blood, sharpens the appetite, and its use will cause a marked improvement in the song. Price, per bottle, 25c; postpaid, 30c.

HALLER'S MAW AND POPPY SEED

A very healthful and nutritious food for the following birds: Canaries, goldfinches, linnets, bullfinches, chaffinches, siskins, nonpareils, indigos, shell parakeets, Java sparrows, muns, weaver birds, nutmeg-finches, zebra finches or any other small cage birds. Price, per package, 25c; postpaid, 30c.



HALLER'S SUPERIOR PARROT FOOD

Haller's Bird Remedies are superior to all.

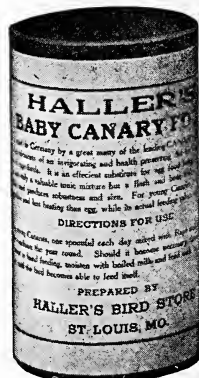
The only properly mixed food to feed parrots in order to keep them in good health and plumage. Full and valuable instructions in each box on the care of parrots. Price, per box, 25c; postpaid,

30c.



HALLER'S NESTLING BABY CANARY FOOD

A large predigested baby food for baby canaries. It is an effective substitute for egg food, being less expensive and easily prepared. It is not only a valuable tonic mixture, but a flesh and bone maker, keeps the birds in excellent health and produces robustness and size. It is a more natural food, being more digestible and less heating than eggs, while its natural feeding values are materially greater. Price, per package, 15c; postpaid, 20c.



HALLER'S DUTCH SONG RESTORER

We are more than proud of this preparation, and every one who has used it never fails to pass flattering comments upon it. Being particularly adapted to birds who have lost their voice through feathering, asthma or cold—their condition being weak, their song will not return without the assistance of this tonic and regulator.

Price per package, 25c; postpaid, 30c.

HALLER'S SELECTED CRACKED BIRD HEMP AND PEPPERS

A very effective remedy for Canaries, with run down condition, builds them up, promotes sound digestion and a renewed appetite.

Price per package 10c; Postpaid 15c.

ASK FOR FREE BIRD BOOK

JUSTRITE PRODUCTS FOR BIRDS, FISH, Etc.

We feature and recommend the scientifically prepared Justrite Pet Foods and Remedies for your pets.

JUSTRITE IMPORTED BIRD SEED in Spout Can—Fresh, Super-cleaned

A full pound package of fresh, imported super-cleaned canary and rape seed. Packed to fill a demand created by fanciers, who know results and economy obtained with these seeds, and who will not use the cheaper seed mixtures commonly packed. Each, 25c; postpaid, 30c.



JUSTRITE BIRD GRAVEL IN METAL SPOUT CAN

Washed, Screened, containing Bird Charcoal and Calcium Carbonate, a Scientific Mixture.

Bird Gravel is to birds what teeth are to people. Keep your birds healthy by feeding Justrite clean, sharp bird gravel, containing calcium carbonate and bird charcoal, a scientific mixture to prepare food for digestion. No possible chance of birds contracting any disease from washed and screened Justrite Bird Gravel. Will not cake on bird's feet. Price, Each 15c; postpaid, 20c.



JUSTRITE SONG RESTORER

For loss of song due to either cold, hoarseness, asthma or moulting. A preventative against all diseases common to canaries and seed-eating birds.

Price, per can, 25c; postpaid, 30c.

JUSTRITE HONEY ROLL—"It's Toasted" A Food-Tonic for Canaries.

A combination of selected, wholesome and beneficial ingredients, including pure honey, relished by all canaries. Does not contain glucose or vegetable glue which cause most of the intestinal disorders. Wholesomeness made possible with our toasting process. Will not fall apart or become sticky in hot or damp weather. Furnished with both string and metal holder for fastening in cage. Trims bill, aids digestion, a food, a tonic and a real treat. Price, 15c, 2 for 25c; postpaid, 30c.

JUSTRITE MOLTING FOOD—For All Cage Birds

Guaranteed to aid birds in getting over molt, either normally restoring fine, beautiful feathers, without Price, each 20c; postpaid, 25c.



in or out of season, quickly and injuring health or song of canary.

COMPLETE PRICE LIST OF JUSTRITE PRODUCTS

SEEDS AND GRAVEL

- Justrite Wild Grass Seed, in spouted can. Price, each 20c; postpaid, 25c.
- Justrite Bird Grit, in spouted can. Price, each 15c; postpaid, 20c.
- Justrite Love Bird Seed, in spouted can. Price, each 25c; postpaid, 30c.
- Justrite Parrot Food with Polly Crackers. Price, each 30c; postpaid, 35c.
- Justrite Tri-one Gravel Paper, 9-inch circles, 10-inch circles, 11-inch circles, 12-inch circles, 7x9 oblong, 7½x10 oblong, 9x11 oblong, 8½x11¼ oblong, 10x10 square. 1 doz. sheets, 25c; postpaid, 30c.

FOODS

- Justrite Song Restorer (friction top can). Price, each 25c; postpaid, 30c.
- Justrite Vitamine Health Food (6-oz. bottle). Price, each 25c; postpaid, 30c.
- Justrite Moulting Food (friction top can). Price, each 20c; postpaid, 25c.
- Justrite Color and Pepper Food (friction top can). Price, each 25c; postpaid, 30c.
- Justrite Egg and Nestling Food with Cod Liver Oil. Price, each 20c; postpaid, 25c.

TONICS—LIQUID

- Justrite Bird Tonic with Medicine Dropper. Price, each 35c; postpaid, 40c.
- Justrite Bird Bitters with Medicine Dropper. Price, each 25c; postpaid, 30c.
- Justrite Iron Tonic with Medicine Dropper. Price, each 25c; postpaid, 30c.
- Justrite Parrot Tonic with Medicine Dropper. Price, each 35c; postpaid, 40c.

LICE REMEDIES

- Justrite Lice Powder (shaker top can). Price, each 15c; postpaid, 20c.

Every Canary Wants Its Food—Justrite

- Justrite Bird Wash. Price, each 25c; postpaid, 30c.
- Justrite Cage Cleaner. Price, each 35c; postpaid, 40c.
- Justrite Lice Destroyer Kits. Price, each 65c; postpaid, 75c.

JUSTRITE CUTTLEBONE with Metal Holders

- In Printed Glassine Envelopes
- No. 1—4 to 6 inch, selected, neatly finished. Price, each 10c.
- No. 2—4 to 6 inch, selected, unfinished. Price, 2 for 15c.
- No. 3—2½ to 3½ inch, selected, unfinished. Price, each 5c.

MISCELLANEOUS

Price, Ea.

- Justrite Balm for Baldness, Camel Hair Brush.....25c
- Justrite Bird Jelly.....25c
- Justrite Bird Salve.....15c
- Justrite Feather Pulling Remedy.....25c
- Justrite Bird Nesting, brown.....10c
- Justrite Bird Nesting, white.....10c
- Justrite Flake Charcoal (friction top can).....15c
- Justrite Crushed Oyster Shells (shaker top can).....10c

FISH FOODS—REMEDIES

- Justrite Natural Fish Food with shrimp, etc.....10c
- Justrite Tropical Fish Food.....15c
- Justrite Imported Pure Shrimp (not domestic).....15c
- Justrite Wafer Fish Food.....10c
- Justrite Baby Fish Food (fine or extra fine).....15c
- Justrite Fish Tonic (shaker top can).....15c
- Justrite White Fungus Remedy with Medicine Dropper.....35c
- Justrite Aquarium Cement (small).....35c
- Justrite Aquarium Cement (large).....75c
- Justrite Assorted Sea Shells and Beans.....15c

Ask for Justrite Free Bird Book



THE NATURE FRIEND'S

MAGIC

Song Restorer and General Health Food stands today on the highest scale of commerce for breeding and raising canaries. Thousands of breeders are successfully using it as it reduces mortality and imparts to both young and old birds, vitality, strength and vigor.

MAGIC IS NATURE'S food which is absolutely required and beneficial to all caged birds. It contains more food value and expensive ingredients than any song restorer ever placed on the market. MAGIC may be used as a regular diet, as well as a tonic for both young and old birds and for breeding or raising young birds. Full directions inside of box. Price, each 30c; postpaid, 35c. Net weight, $3\frac{1}{2}$ ounces.

Oregon's Best Roller Bird Seed

Our own special mixture for American, Hartz Mountain and St. Andreasberg Canaries; especially prepared for the singers. Contains no hemp, but the correct proportions of highest quality re-cleaned Canary, Sweet Rape, small Golden Millet and a few other seeds to give health and "pep" to the singers.

It is no wonder that thousands of canaries die annually from the effects of common bird seeds put up by grocery and drug companies. It is generally old, musty or dusty, inferior seeds, and not correctly mixed.

Try a package of our Roller Seed and note the difference and also the saving, even though it is a little higher in price. Sold only in sealed one-pound cartons.

Price.—Large full pound cartons, with small envelope of Bird Sand and piece of cuttlebone—
Pound Carton, 30c. Postpaid.

Bird Manna.—A combination of seeds, herbs and roots that nature intended birds should have. Food and medicine combined. A tonic and conditioner. Comes in half-round cakes to fasten on the cage wires.
Per cake 15c, postpaid 20c; 2 for 35c.

"Pep."—The same kind of a tonic and conditioner as above. Also put up in the same style. Very popular seller and we prefer it in some ways to Manna.
Per cake 15c, postpaid 20c; 2 for 35c.

Canary High Balls.—Another article of Manna merits. Highly praised. Comes in ball form and hangs in the cage. "Mr. Bird" eats it as he needs it.
Each 15c, postpaid 20c; 2 for 35c.

Spratt's Cod Liver Oil Nesting Food.—A food for young birds. A substitute for boiled eggs. An excellent food for old birds in the moulting season.
Pkt., 25c. Postpaid.

BIRD, FISH FOOD AND SUPPLIES

PARRAKEET LOVE BIRD SEED

For parakeets, love birds, finches and linnets. Contains a very fine selection of thoroughly cleaned, fresh and correctly mixed seeds. Put up in neat boxes.
Pkt., 25c; postpaid, 30c.

ANT EGGS

Are prepared for birds, turtles, tropical fish and goldfish. It is a rare treat for soft-billed and insect eating cage birds.
Pkt., 25c.

BIRD BITTERS

Is not a tonic, but a wonderful medicine especially prepared for loss of song, weakness, molting or shedding feathers out of season, hard breathing, diarrhea and other diseases of cage birds.
25c; postpaid, 30c.

CUTTLE BONE

This is a necessity that should be in every cage. Carefully selected, high-grade cuttle bone. 5c each.

BIRD NESTING

A sanitary nesting that will prevent the canaries from picking out their feathers at breeding time.
10c each.

TROPICAL FISH FOOD

A combination of carefully selected foods, containing many insects, etc., found in the native haunts of the fish, and of which they are very fond. Do not overfeed. Should be fed only once each day, morning preferred, and in only such quantities as the fish will consume.
10c each.

CRYSTAL SAND

A thoroughly washed and cleaned white sand, free of the impurities of common river sand, and very good for birds and goldfish.
15c; postpaid, 20c.

FISH FOOD WAFERS

Genuine imported sheet wafers that have been used for many years as a fish food.

Should be fed only once each day and at a regular hour, and only such as they will eat. Each, 10c.

CANARY HEALTH GRIT

Keeps your bird in good health and improves the plumage.
15c; postpaid, 20c.

ROLLER CANARY GRAVEL

This is a necessity for cleanliness and health, and is also a great aid to the birds as a digestive.
15c; postpaid, 20c.

BIRD CAGE SUPPLIES

All prices postpaid; 5c less if called for.
CAGE CUPS.—Open or closed tops, opal or plain glass. Each, 10c; 3 for 25c.

SQUARE CAGE CUPS.—Or round cups. 25c.

TONIC or MEDICINE CUP.—10c; 3 for 25c.

GLASS BIRD BATH HOUSE.—\$1.00, or \$1.10, postpaid.

BATHING DISHES.—Oblong. 25c and 30c.

BIRD NESTS.—Wire or willow. 15c.

CAGE SPRINGS.—Single light, 15c; heavy, 25c; double, 35c; single with adjustable chain, 35c.

CUTTLE BONE HOLDERS.—15c; with bone, 20c.

WALL BRACKET HOOKS.—Heavy nickel plated round wire. 10 in., 35c; 12 in., 40c. Brass, 5c higher.

BRASS BIRD CAGE STANDS.—Not available. Half circle, \$4.00; full circle, \$5.00.

PARROT CAGES.—Round, \$4.25 to \$17.00; square, \$9.00 to \$18.00. Prices based on size.

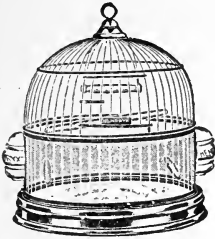
PARROT STANDS with adjustable tray, \$15.00.

BIRD SEED

Select—Re-cleaned

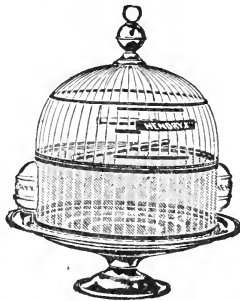
Canary Seed.—	Lb., 20c.	Postpaid.
Rape Seed.—	Lb., 20c.	Postpaid.
Hemp Seed.—	Lb., 20c.	Postpaid.
Flax Seed.—	Lb., 20c.	Postpaid.
Millet Seed.—	Lb., 20c.	Postpaid.
Sunflower Seed.—	Lb., 20c.	Postpaid.
Maw Seed.—	Lb., 50c.	Postpaid.

"HENDRYX" BRASS CAGES AND STANDS



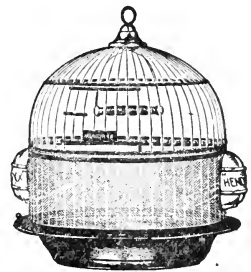
With brass wire guard, polished base. Complete as shown.

No.	Height.	Price
1274—10 1/2 in. dia., 13 1/2 in.		\$3.50
1275—11 in. dia., 13 1/2 in.		\$4.25
1276—11 1/2 in. dia., 15 1/2 in.		\$4.75



With Extra Top Rail and Brass Wire Guard

No.	Height.	Price
274—10 1/2 in. dia., 15 1/2 in.		\$4.00
275—11 in. dia., 15 1/2 in.		\$5.00
276—11 1/2 in. dia., 17 1/2 in.		\$6.00



Has Attachment for Tassel

No.	Height.	Price
2274—10 1/2 in. dia., 13 in.		\$6.00
2275—11 in. dia., 13 1/2 in.		\$7.50
2276—11 1/2 in. dia., 14 1/2 in.		\$8.00



OVAL RING STAND

With brass tubing upright and solid arch. Polished brass. Base weighted. Height 5 ft. 6 in.

No.	Each
80A—Polished	\$5.00
80Br2T—Bronze 2 Tone.....	\$6.50

CAGE SPRINGS

No. 160—Single, brass plated, post-paid, each 15c.
Double, brass plated, postpaid, each 25c.

BATH DISHES

Opal or plain—25c and 30c each.

SWINGING CAGE HOOK

Brass plated, 12 in. long. Each 25c.



IVORY FINISH CAGES "HENDRYX"

Ivory finish japanned cages, in all sizes. Very attractive, yet inexpensive.

No.	Height.	Price
165—9 1/2 x 6 1/2 in., 12 1/2 in.		\$2.00
166—10 1/2 x 6 1/2 in., 13 1/2 in.		\$3.00
167—11 x 7 1/2 in., 14 in.		\$3.25
168—12 1/2 x 8 1/2 in., 14 1/2 in.		\$3.50



CAGE STAND

An exceptionally attractive brass stand, polished brass tubing upright and solid arch. Weighted base. Height 5 1/2 ft.

No.	Price
31—Polished Gunmetal and Bronze, each	\$4.00
31—Polished Brass, each.....	\$4.00

ST. ANDREASBERG ROLLERS

The finest singers among the canaries, having only the soft, clear, musical notes that have made them the leading favorites both in Europe and the United States. We secure these songsters only from the best imported European strains.

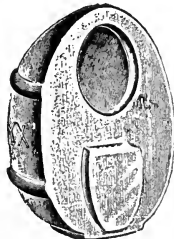
Prices: Good Young Singer, \$10; Selected Singer, \$15; Trainer, \$25; Females, \$5.

GOOD AMERICAN CANARIES

Excellent singers of the popular American type, in all colors from bright yellow to green tones.

Prices: Male Singer, \$15; Females, \$1.50 to \$2.50.

Birds are shipped only by express.



COVERED CUP

No.	Price
1907—Opal Glass, each.....	15c
1904—Flint Glass, each.....	15c

NUMBER OF PLANTS PER ACRE AT VARIOUS DISTANCES

Distance, Inches.	Plants.	Distance, Inches.	Plants.	Distance, Feet.	Plants.	Distance, Feet.	Plants.
1x 1	6,272,640	10x48	13068	4x 5	2178	9x10	484
1x 3	2,090,880	15x15	27878	4x 6	1815	9x11	440
1x 4	1,568,160	15x30	13939	4x 7	1556	9x12	403
1x 5	1,254,528	15x36	11616	5x 5	1742	10x10	435
2x 2	1,568,160	18x36	9680	5x 6	1452	10x12	363
2x 3	1,045,440	18x48	7260	5x 7	1244	10x15	290
2x 4	784,080			5x 8	1089	10x18	342
		Feet.					
2x 5	627,264			5x 9	968	10x20	217
3x 3	696,960	1x 1	43560	6x 9	1210	12x12	302
3x 4	522,720	1x 2	21780	6x 7	1037	12x15	242
3x 5	418,176	1x 3	14520	6x 8	907	12x20	181
4x 4	392,040	1x 4	10890	6x 9	806	15x15	193
4x 5	313,632	1x 5	8712	6x10	726	15x18	161
5x 5	250,905	2x 2	10890	7x 7	888	15x20	145
6x 6	174,240	2x 3	7260	7x 8	777	18x18	134
7x 7	128,012	2x 4	5445	7x 9	691	18x20	121
8x 8	98,010	2x 5	4356	7x10	622	18x24	100
9x 9	77,440	3x 3	4840	8x 8	680	20x20	108
10x10	62,726	3x 4	3630	8x 9	605	20x24	90
10x20	31,363	3x 5	2904	8x10	544	20x30	72
10x24	26,136	3x 6	2420	8x11	495	30x24	60
10x30	20,908	3x 7	2074	8x12	453	30x30	48
10x36	16,424	4x 4	2722	9x 9	537	30x36	40

NUMBER OF PLANTS TO ACRE SET REGULAR DISTANCES APART

Distance Apart	No. Plants	Distance Apart	No. Plants
1 ft. by 6 in.	87,120	7 ft. by 7 ft.	888
2 ft. by 6 in.	43,500	8 ft. by 8 ft.	680
2 ft. by 12 in.	26,780	9 ft. by 9 ft.	537
2 ft. by 18 in.	14,520	10 ft. by 10 ft.	435
2½ ft. by 12 in.	17,420	11 ft. by 11 ft.	360
2½ ft. by 18 in.	11,616	12 ft. by 12 ft.	302
2½ ft. by 2 ft.	8,712	14 ft. by 14 ft.	222
3 ft. by 1 ft.	14,520	15 ft. by 15 ft.	193
3 ft. by 1½ ft.	9,924	16 ft. by 16 ft.	170
3 ft. by 2 ft.	7,260	17 ft. by 17 ft.	150
3 ft. by 3 ft.	4,840	18 ft. by 18 ft.	134
4 ft. by 1 ft.	10,890	19 ft. by 19 ft.	120
4 ft. by 2 ft.	5,445	20 ft. by 20 ft.	108
4 ft. by 3 ft.	3,630	25 ft. by 25 ft.	69
4 ft. by 4 ft.	2,722	30 ft. by 30 ft.	48
5 ft. by 1 ft.	8,712	33 ft. by 33 ft.	40
5 ft. by 2 ft.	4,356	40 ft. by 40 ft.	27
5 ft. by 3 ft.	3,904	50 ft. by 50 ft.	12
5 ft. by 4 ft.	2,178	60 ft. by 60 ft.	17
5 ft. by 5 ft.	1,742	66 ft. by 66 ft.	10
6 ft. by 3 ft.	2,420		
6 ft. by 4 ft.	1,815		
6 ft. by 6 ft.	1,200		

Rule.—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and product will be the number of square feet for each plant or hill; which divided into the number of square feet (43,560), will give the number of plants to the acre.

MATURITY TABLE

	No. of Days.		No. of Days.
Beans	40 to 90	Mangel Wurzels	140 to 150
Beets	50 to 100	Okra	90 to 100
Cabbages	80 to 120	Onions for green	60 to 70
Cauliflower	100 to 120	Onions for storage	120 to 160
Carrots	60 to 100	Parsnips	120 to 140
Celery	120 to 140	Peas	50 to 100
Sweet Corn, table use	65 to 80	Peppers	120 to 140
Cucumbers	45 to 60	Pumpkins	100 to 120
Egg Plants	140 to 150	Salsify	120 to 160
Endives	50 to 70	Spinach	30 to 40
Kale	100 to 130	Squash, Summer	55 to 60
Kohl Rabi	80 to 90	Squash, Winter	100 to 125
Lettuce	40 to 65	Tomatoes	90 to 110
Melons	75 to 90	Turnips	45 to 90

REFERENCE TABLES

Quantity of Seeds to produce a given number of plants or to sow an acre.

Vegetable Seeds

	Per Acre		Per Acre
Asparagus—1 oz. to 400 plants.....	4 lbs.	Leek—1 oz. to 200 ft. drill.....	3 lbs.
Beans, Dwarf—1 lb. to 125 ft. drill.....	40 lbs.	Lettuce—1 oz. to 200 ft. drill.....	3 lbs.
Pole—1 lb. to 150 ft. drill.....	35 lbs.	Melon, Musk—1 oz. to 100 hills.....	2 lbs.
Pole—1 lb. to 200 hills.....	25 lbs.	Water—1 oz. to 25 hills.....	2 lbs.
Field—1 lb. to 200 ft. drill.....	35 to 45 lbs.	Okra—1 oz. to 100 ft. drill.....	5 lbs.
Lima—1 lb. to 75 hills.....	35 lbs.	Onion Seed—1 oz. to 150 ft. drill.....	3 lbs.
Beet, Table—1 oz. to 60 ft. drill.....	6 lbs.	For Sets.....	50 lbs.
Mangel—1 oz. to 75 ft. drill.....	5 lbs.	Onion Sets—1 lb. to 35 ft. drill.....	200 lbs.
Broccoli—1 oz. to 3000 plants.....	3 ozs.	Parsnips—1 oz. to 200 ft. drill.....	3 lbs.
Brussels Sprouts—1 oz. to 3000 plants.....	3 ozs.	Parsley—1 oz. to 350 ft. drill.....	2 lbs.
Cabbage—1 oz. to 3000 plants.....	4 ozs.	Peas, Dwarf—1 lb. to 125 ft. drill.....	75 lbs.
Carrot—1 oz. to 150 ft. drill.....	2½ lbs.	Tall—1 lb. to 150 ft. drill.....	60 lbs.
Cauliflower—1 oz. to 4000 plants.....	3 ozs.	Pepper—1 oz. to 2000 plants.....	4 ozs.
Celery—1 oz. to 5000 plants.....	4 ozs.	Potatoes—(15 lbs. to 100-ft. row).....	800 to 1000 lbs.
Chicory—1 oz. to 100 ft. drill.....	5 lbs.	Pumpkin—1 oz. to 25 hills.....	3 to 4 lbs.
Corn, Sweet—1 lb. to 150 ft. drill.....	15 lbs.	Radish—1 oz. to 100 ft. drill.....	10 lbs.
Sweet—1 lb. to 160 hills.....	12 lbs.	Rutabaga—1 oz. to 250 ft. drill.....	1 to 2 lbs.
Corn Salad—1 oz. to 50 ft. drill.....	5 lbs.	Salsify—1 oz. to 100 ft. drill.....	8 lbs.
Cucumber—1 oz. to 100 hills.....	2 lbs.	Spinach—1 oz. to 100 ft. drill.....	8 lbs.
Endive—1 oz. to 300 ft. drill.....	2 lbs.	Squash, Summer—1 oz. to 30 hills.....	3 lbs.
Horseradish Roots.....	10 to 15 M.	Winter—1 oz. to 25 hills.....	3 lbs.
Kale, Table—1 oz. to 3000 plants.....	1 lb.	Tomatoes—1 oz. to 3000 plants.....	2 to 3 ozs.
Stock—1 oz. to 300 ft. drill.....	1 to 2 lbs.	Tobacco—1 oz. to 4000 plants.....	
Kohl-Rabi—1 oz. to 300 ft. drill.....	2 lbs.	Turnips—1 oz. to 250 ft. drill.....	1 to 2 lbs.

Field, Farm, Grass and Clover Seeds

	Quantity per Acre		Quantity per Acre
Alfalfa.....	12 to 15 lbs.	Rye Grass—for Pasture.....	20 to 30 lbs.
Artichokes.....	400 to 600 lbs.	Rye Grass—for Lawn.....	100 lbs.
Barley—(drills 75 lbs.).....	broadcast 100 lbs.	Sudan—drills.....	3 to 5 lbs.
Buckwheat—(drills 35 lbs.).....	broadcast 50 lbs.	Broadcast.....	16 to 20 lbs.
Cheat.....	75 to 100 lbs.	Kaffir Corn—drills.....	6 to 10 lbs.
Clover—Alsike and White.....	6 to 8 lbs.	Miller.....	20 to 30 lbs.
White for Lawn.....	1 lb. to 20 ft. square	Oats—for Seed.....	75 to 100 lbs.
Crimson.....	15 to 20 lbs.	For Hay.....	100 lbs.
Red.....	10 to 12 lbs.	Potatoes—(60 lbs. per bushel).....	15 to 18 bu.
Sweet.....	15 to 20 lbs.	Peas, Field—100 lbs. or 80 lbs. with 35 lbs. Oats	
Corn, Field—Hills.....	10 to 12 lbs.	Rape—(drills 3 lbs.).....	broadcast 5 lbs.
For Fodder, drills.....	50 lbs.	Rye—for Grain.....	60 to 75 lbs.
Flax.....	35 to 45 lbs.	For turning under.....	100 lbs.
Grass, Kentucky Blue—Pasture.....	20 to 30 lbs.	Speltz or Emmer.....	80 lbs.
Kentucky Blue—for Lawns.....	1 lb. to 15 ft. sq.	Sugar Cane.....	10 to 12 lbs.
Mixed Lawn.....	1 lb. to 15 ft. sq.	Sunflower.....	5 to 7 lbs.
Red Top—Hulled, Solid Seed.....	8 to 10 lbs.	Timothy.....	10 to 12 lbs.
Orchard.....	25 to 30 lbs.	Vetches.....	80 lbs. or 60 lbs. with 40 lbs. Oats
Brome Grass.....	20 to 30 lbs.	Vetch, Hairy or Sand.....	30 lbs.
		Wheat.....	90 to 120 lbs.

Suitable Distance for Planting Trees and Plants

NOTE—Depending on method of cultivation. In planting in the home garden for hand cultivation you can set plants or trees closer.

Apples, Standard.....	25 to 35 feet	Strawberries, in Hills.....	2 by 3 feet
Apples, Dwarf.....	10 to 12 feet	Strawberries, Matted Rows.....	2½ by 4 feet
Pears, Standard.....	20 to 25 feet	Asparagus, in Beds.....	1 by 1½ feet
Pears, Dwarf.....	10 feet	Asparagus, in Field.....	1 by 4 feet
Peaches and Apricots.....	18 to 22 feet	Rhubarb.....	3 by 6 feet
Cherries, Sweet.....	30 to 35 feet		
Cherries, Sour.....	18 to 22 feet	Logans and Cory Blackberries—	
Plums and Prunes.....	20 to 25 feet	Rows.....	6 to 9 ft. apart
Quinces.....	15 to 18 feet	Plants in the row.....	6 to 10 ft. apart
Walnuts.....	40 to 50 feet		
Currants.....	3 by 6 feet	Grapes—	
Gooseberries.....	4 by 6 feet	Rows.....	6 to 9 ft. apart
Raspberries.....	3 by 6 feet	Plants in the row.....	6 to 10 ft. apart

Number of Trees or Plants On An Acre

1 by 2 feet.....	21,780	3 by 5 feet.....	2,904	12 by 12 feet.....	802
1 by 3 feet.....	14,520	3 by 6 feet.....	2,420	15 by 15 feet.....	193
1 by 4 feet.....	10,890	4 by 4 feet.....	2,722	16 by 16 feet.....	170
1½ by 2 feet.....	14,520	4 by 6 feet.....	1,815	18 by 18 feet.....	135
1½ by 3 feet.....	9,680	6 by 8 feet.....	907	20 by 20 feet.....	109
2 by 3 feet.....	7,260	6 by 6 feet.....	1,210	25 by 25 feet.....	70
2 by 4 feet.....	5,445	8 by 8 feet.....	680	30 by 30 feet.....	48
3 by 4 feet.....	3,630	10 by 10 feet.....	430	40 by 40 feet.....	27

RULE.—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill, which, divided into the number of square feet in an acre (43,560), will give the number of plants to the acre.



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